



INDIAN INSTITUTE OF TECHNOLOGY, KANPUR
GT ROAD, KALYANPUR, KANPUR - 208016
UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/DOAA /2025-2026/01

OPEN TENDER ENQUIRY

TENDER DOCUMENTS

For

“Active LED and signature software with accessories”

Last Date and time of uploading of Bids: 24.12.2025 (17.00 hrs)

Tender / Bid Document

The Indian Institute of Technology Kanpur ("the IITK") invites Bids ("Bids") from eligible, qualified, and capable companies for the supply and delivery of "the Goods" and provision of associated services ("Associated Services") according to the requirements as defined in the Tender document.

Name of the item	Active LED and signature software with accessories
Quantity	As per mentioned in the BoQ / Technical Specification
Date of Publishing	03.12.2025 (17.00 hrs)
Clarification Start Date and Time	03.12.2025 (17.00 hrs)
Clarification End Date and Time	24.12.2025 (17.00 hrs)
Queries (if any)	No queries will be entertained after clarification end date and time
Bid Submission Start Date	03.12.2025 (17.00 hrs)
Last Date and time of uploading of Bids	24.12.2025 (17.00 hrs)
Last Date and time of submitting , EMD and other documents at IIT Kanpur (if any)	24.12.2025
Earnest Money Deposit	The bidders must furnish Rs. 6,90,000/- as EMD in the form of the Demand Draft/FDR/BG in favour of the Registrar, IIT Kanpur, payable at Kanpur.
Date and time of opening of Technical Bids	26.12.2025 (10.00 hrs)
Date and time of opening of Financial Bids	Will be separately notified for Technically shortlisted/qualified bidders
Bid Validity Days	120 days (From the last date of opening of tender)
Performance Security	3% is to be paid in the form of the Demand Draft/FDR/BG in favor of "The Registrar, IIT Kanpur", payable at Kanpur only

Interested parties may view and download the tender document containing the detailed terms & conditions from the website <http://eprocure.gov.in/eprocure/app>

(The bids must be submitted online in electronic form on www.eprocure.gov.in only. No physical bids will be accepted.)

(Part-A)

Instructions for Online Bid Submission

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

1. REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

2. SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

3. PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: *My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.*

4. SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are

required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

5. ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. The contact number of end user is **0512-259-7288 (officer1_acad@iitk.ac.in)**. Please call between 10:30 hrs to 17:00 hrs.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

(Part-B)
Instruction For e-Procurement

1. PREPARATION AND SUBMISSION OF BIDS:

- 1.1 The detailed tender documents may be downloaded from <http://eprocure.gov.in/eprocure/app> till the last date of submission of tender. The Tender may be submitted online through CPP Portal <http://eprocure.gov.in/eprocure/app>
- 1.2 The bidder should submit the bid online in two parts viz. Technical Bid and Financial Bid. Technical Bid should be upload online in cover-1 and Financial Bid in “. Xls” should be upload online in cover-2

2. SUBMISSION OF THE BID:

- 2.1 All interested eligible bidders are requested to submit their bids online on CPP Portal: <http://eprocure.gov.in/eprocure/app> as per the criteria given in this document:
- (a) Technical Bid should be uploaded online in cover-1.
- (b) Financial Bid should be uploaded online in cover-2.
- Both Technical and Financial Bid covers should be placed online on the CPP Portal (<http://eprocure.gov.in/eprocure/app>).

3. TECHNICAL BID:

- 3.1 Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: <http://eprocure.gov.in/eprocure/app> .
- (a) **List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission: -**
1. Scanned copy of Bank details and EMD.
 2. Scanned copy of work experience.
 3. Scanned copy of certificate of GST.
 4. Scanned copy of specifications/brochures & tender acceptance letter, land border sharing and local content on Appendix 1-3.
 - (i) For The tender value upto Rs. 10 Crores - Self-Certificate for local content from the bidder.
 - (ii) For the tender value above Rs. 10 Crores - Certificate for local content from Statutory Auditor/Cost Auditor/Cost Accountant/CA.
 5. Scanned copy of other documents mentioned in tender terms and conditions (if any)
 6. Declaration for turn-over and Bidder's credentials on Appendix 4-5.

Note: - No indication of the rates/amounts be made in any of the documents submitted with the Technical Bid.

4. FINANCIAL BID

- 4.1 The currency of all quoted rates shall be Indian Rupees.
- 4.2 In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified “.Xls” format i.e. Price Bid Excel sheet attached as ‘.Xls’ with the tender and based on the scope of work, service conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work of the assignment.
- 4.3 The Financial Proposal should be inclusive of all applicable taxes, duties, fees, levies, and other charges imposed under the applicable laws. The rates quoted in the Tender are inclusive of all applicable taxes, duties etc. **except service tax**. The service tax component shall be re-immersible by the department after receipt of paid challans etc. if applicable.

5. LAST DATE FOR SUBMISSION OF TENDER:

- 5.1 Online bids complete in all respects, must be submitted on or before the last date and time specified in the schedule of events.
- 5.2 The IIT, Kanpur may, at its own discretion, alter/extend the last date for submission of tenders.

6. BID VALIDITY

- 6.1 All the Bids must be valid for a period of 120 days from the last date of submission of the tender for execution of Contract. However, the quoted rates should be valid for the initial/ extended period of the Contract from the effective date of the Contract. No request will be considered for price revision during the original Contract period.
- 6.2 A bid valid for a shorter period shall be declared as non-responsive.
- 6.3 In exceptional circumstances, prior to expiry of the original time limit, the IIT may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 120 days. The request and the bidders’ responses shall be made in writing. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their Bid Security.

7. MODIFICATION / SUBSTITUTION/ WITHDRAWAL OF BIDS:

- 7.1 No Bid shall be modified, substituted or withdrawn by the Bidder after the due date of the Bid.
- 7.2 Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid's due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.

8. REJECTION OF THE BID:

- 8.1 The bid submitted shall become invalid and tender fee shall not be refunded if:-
 - (a) The bidder is found ineligible.
 - (b) The bidder does not upload all the documents as stipulated in the bid document.

9. SELECTION CRITERIA:

9.1 PHASE-I: Technical Evaluation

- (a) Technical evaluation will be done on the basis of information given by technical bid submitted by the bidders. A bid containing partial, incomplete, unclear and superfluous and unwanted information will be summarily rejected.
- (b) Technical declaration must be supported with relevant documents. Discrepancy in relevant supporting documents and technical compliance sheets will lead to rejection of technical bids.

9.2 PHASE-II: Financial Evaluation

- (a) Financial bids of technically qualified bidders shall be opened.
- (b) Financial evaluation is purely done on the total financial implication.
- (c) Any superfluous, unreasonable assets rate quotes will be summarily rejected.

10. Instruction to the bidder of countries which share land border with India (Rule 144(xi) GFRs)

- 10.1 Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).
- 10.2 "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- 10.3 "Bidder from a country which shares a land border with India" for the purpose of this Order means: -
 - (a) An entity incorporated, established, or registered in such a country; or
 - (b) A subsidiary of an entity incorporated, established, or registered in such a country; or
 - (c) An entity substantially controlled through entities incorporated, established, or registered in such a country; or
 - (d) An entity whose beneficial owner is situated in such a country; or
 - (e) An Indian (or other) agent of such an entity; or
 - (f) A natural person who is a citizen of such a country; or
 - (g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- 10.4 The beneficial owner for the purpose of (iii) above will be as under:

- (a) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means .

Explanation-

- (i) "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company.
- (ii) "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.
- (b) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
- (c) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- (d) Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
- (e) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

10.5 An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

10.6 In case of tenders for Works contracts, including Turnkey contracts, The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority .

11. MII & Purchase Preference:

11.1 As per the Ministry of Commerce and Industry Order No. P-45021/2/2017-PP(BE-II) dated 04.06.2020 preference shall be given to Make in India products for which it is mandatory for bidders to declare Country of Origin of goods and percentage of Local contents in the product.

Definitions:

"Local Content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported

content in the item (including all customs duties) as a proportion of the total value, in percent.

“Class-I Local Supplier” means a supplier or service provider, whose goods, services or works offered for procurement, has local content to or more than 50%, as defined under this order.

“Class-II Local Supplier” means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.

“Margin of Purchase Preference” means the maximum extent to which the price quoted by a Class-I local supplier may be above the L1 for the purpose of purchase preference. (shall be 20%)

Purchase Preference:

- (a) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified here under.
- (b) In the procurements of goods or works, which are covered by para 3(b) above and which are divisible in nature, the Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
 - (i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is Class local supplier', the contract for full quantity will be awarded to L1.
 - (ii) If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- (c) In the procurements of goods or works, which are covered by para 3(b) above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-1 local supplier' shall get purchase preference over 'Class-ul local supplier' as well as 'Non-local supplier', as per following procedure:
 - (i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-1 local supplier', the contract will be awarded to L1.

- (ii) If L1 is not 'Class-1 local supplier', the lowest bidder among the 'Class-1 local supplier', will be invited to match the L1 price subject to Class-1 local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-1 local supplier' subject to matching the L1 price.
- (iii) In case such lowest eligible 'Class-1 local supplier' fails to match the L1 price, the 'Class-1 local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-1 local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- (d) **"Class-II Local Supplier"** will not get purchase preference in any procurement undertaken by procuring entities.

12. Benefits:

- 12.1 Bidders will get all benefits under Rule-153 of GFR, 2017.

13. Integrity Pact (IP):

- 13.1 The Integrity Pact will be applicable only for tenders valued above 1 crore.
- 13.2 In accordance with the Central Vigilance Commission's letter No. 022/VGL/078/546789 dated 04.05.2023 and the Ministry of Education's notification No. C-34014/1/2022-Vig. dated 25.05.2023, the following persons have been appointed as Independent External Monitors (IEMs) for IIT Kanpur for three years:
 - (i) Shri Ranvir Singh, IEM1@iitk.ac.in
 - (ii) Shri P. V. V. Satyanarayana, IEM2@iitk.ac.in
- 13.3 All bidders must submit a signed soft copy (online) of the Integrity Pact with their bid documents for tenders over ₹1 crore. However, only the L-1 bidder (after the opening of the financial bid) will be required to submit the Integrity Pact on a ₹100 non-judicial stamp paper in hard copy, please see **Annexure-1**.
- 13.4 The Integrity Pact shall be part of the contract, and all parties are bound by its provision.

Annexure-1

Pre-Contract Integrity Pact **(Applicable for all tenders of the value above Rs.1 Crore)**

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ____ day of the month of ____ 202__.

BY AND BETWEEN

The Indian Institute of Technology Kanpur represented through "**The Registrar**", having its office located at G.T. Road, Kalyanpur, Kanpur, Uttar Pradesh – 208016 (hereinafter called the "**BUYER**", which expression shall mean and include, unless **the** context otherwise requires, his successors in office and assigns) of the **First Part**;

AND

M/s _____
a company incorporated under the Companies Act, 2013 through its representative/authorized signatory (insert name and designation of the officer) vide resolution dated _____ passed by the Board of Directors, having its registered office at _____

(hereinafter referred to as "**The Bidder(s)/Contractor(s)**") which terms or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the **Second Part**;

WHEREAS, the Institute/Buyer has floated the Tender bearing No. _____ (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organization procedures, contract(s) for _____ (Name of the work/goods/ services). The Institution values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s).

AND WHEREAS, the BIDDER is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a body corporate and has been established under the provisions of the Institutes of Technology Act, 1961.

AND WHEREAS, in order to achieve these goals, in consultation with the CVC, the Govt. of India, Ministry of Education has appointed Independent External Monitors (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

NOW, THEREFORE, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

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Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Commitments of the BUYER

- 1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.
- 1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

Commitments of BIDDERS

3. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-
 - 3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any

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person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

- 3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.
- 3.3 The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign entity or associates, if any. Further details as mentioned in the "Guidelines of Indian Agents of Foreign suppliers" shall be disclosed by the Bidders(s)/Contractor(s). Further, as mentioned in the Guidelines all payments made to the Indian Agent/representative have to be in Indian Rupees only.
- 3.4 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 3.5 The BIDDER further confirms and declares to the BUYER that the BIDDER is the original manufacturer/integrator/authorised government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of

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the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

- 3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act, 2013.
- 3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

Disqualification from tender process and exclusion from future contracts:

- 4.1 If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Institute/Buyer is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of Business Dealing".
- 4.2 Any violation of Integrity Pact would entail disqualification of the bidder(s) and exclusion from future business dealings, as per the existing provisions of GFR-2017, PC Act, 1988 and other Financial Rules/Guidelines etc. as may be applicable to the organization concerned.

Compensation for Damages:

- 5.1 If the Institute/Buyer has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Institute/Buyer is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
- 5.2 If the Institute/Buyer has terminated the contract according to Section 3, or if the Institute/Buyer is entitled to terminate the contract according to Section 3, the Institute/Buyer shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

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Previous Transgression

6.1 THE BIDDER(S) to disclose any transgressions with any other public/government organization that may impinge on the anti-corruption principle. The date of such transgressions, for the purpose of disclosure by the BIDDER(s) in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The period for which such transgression(s) is/are to be reported by the bidders shall be the last **three years** to be reckoned from date of bid submission. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the BIDDERS.

6.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Equal Treatment of all Bidders/Contractors/Sub-Contractors:

- 7.1 In the case of sub-contracting, the principal/main Contractor shall take the responsibilities of adoption of the Integrity Pact by the Sub-contractor.
- 7.2 The BUYER will enter into agreements with the identical conditions as this one with all bidders and Contractors.
- 7.3 The BUYER will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Criminal Charges against violating Bidder(s)/Contractor(s)/Sub-Contractors:

- 8. If the Buyer obtains knowledge of the conduct of a Bidder, Contractor or Sub-contractor, or of an employee or a representative or an associate of a Bidder, Contractor or Sub-contractor which constitutes corruption, or if the Institute/Buyer has substantive suspicion in this regard, the Institute/Buyer will inform the same to the Chief Vigilance Officer.

Earnest Money (Security Deposit)

9.1 While submitting a commercial bid, the BIDDER shall deposit an amount of Rs. _____ (to be specified in RFP) as Earnest Money/Security Deposit, with the BUYER through any of the following instruments:

- (i) Bank Draft in the favour of The **Registrar, IIT Kanpur**.
- (ii) A confirmed guarantee by an Indian Nationalised Bank, promising payment of the guaranteed sum to the BUYER on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment.
- (iii) Any other mode or through any other instrument (to be specified in the RFP).

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- 9.2 The Earnest Money (Security Deposit) should be valid up to a period of 45 days beyond the validity of the quote.
- 9.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 9.4 No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

Sanctions for Violations

- 10.1 Any breach of the aforesaid provisions by the BIDDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required: -
- (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
 - (ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason, therefore.
 - (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
 - (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilised to recover the aforesaid sum and interest.
 - (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
 - (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.



- (vii) To debar the BIDDER from participating in future bidding processes of the Institute for a minimum period of two years, which may be further extended at the discretion of the BUYER.
 - (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
 - (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
 - (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 10.2 The BUYER will be entitled to take all or any of the actions mentioned at para 10.1 (i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 10.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

Fall Clause

11. The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

Independent Monitors

- 12.1 The IEMs have been appointed by the Ministry of Education in consultation with the Central Vigilance Commission. The details of the IEMs are as follows:
- (a) Mr. Ranvir Singh, IEM1@iitk.ac.in
 - (b) Mr. P.V.V. Satyanarayana, IEM2@iitk.ac.in
- 12.2 The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.



- 12.3 The Monitor shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 12.4 Both the parties accept that the Monitor has the right to access all the documents relating to the project/procurement, including minutes of meetings.
- 12.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.
- 12.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality. The Monitor has also signed declarations on "Non – Disclosure of Confidential Information" and of "Absence of Conflict of Interest". In case of any conflict of interest arising at a later date, from an entity wherein he is or has been a consultant, the IEM shall inform the Director, IIT Kanpur and rescue himself/herself from that case.
- 12.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.
- 12.8 The Monitor will submit a written report to the designated Authority of BUYER within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.
- 12.9 A person signing the IP Pact shall not approach the Court while representing the matter to IEMs and shall await the decision in the matter.
- 12.10 The IP would be implemented through a panel of Independent External Monitors (IEMs), appointed by the Ministry. The IEM would review independently and objectively whether and to what extent parties have complied with their obligations under the Pact on receipt of any complaint by them from the Bidder(s).
- 12.11 Integrity Pact (IP), in respect of a particular contract, shall be operative from the date IP is signed by both the parties. The IEMs shall examine all the representations/grievances/complaints received by them from the bidders or their authorized representatives related to any discrimination on account of lack of fair play in modes of procurement and bidding systems, tendering method, eligibility conditions, bid evaluation criteria, commercial terms & conditions, choice of technology/specifications etc.
- 12.12 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel

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of IEMs jointly, who would look into the records, conduct an examination, and submit their joint recommendations to the Management. In case the full panel is not available due to some unavoidable reasons, the available IEM(s) will conduct examination of the complaints. Consent of the IEM(s), who may not be available, shall be taken on the records.

- 12.13 The word "**Monitor**" would include both singular and plural.

Facilitation of Investigation

13. In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

Law and Place of Jurisdiction

14. This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER i.e., Kanpur Nagar.

Other Provisions

- 15.1 The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.
- 15.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 15.3 In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of sub-contracting, the principal/main contractor shall take responsibilities of the adoption of IP by the sub-contractor. It is to be ensured that all sub-contractors also sign the IP. In case of sub-contractors, the IP will be tri-partite arrangement to be signed by the Institute/Buyer, the Contractor, and the sub-contractor.
- 15.4 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 15.5 Issues like Warranty/Guarantee etc. shall be outside the purview of the IEMs.
- 15.6 In the event of any contradiction between the Integrity Pact and its Annexure, the clause in the Integrity Pact will prevail.

Validity

- 16.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER

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and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

- 16.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

IN WITNESS WHEREOF, the parties hereunto set their hands and seals and executed this Integrity Pact as of the date/month/year first above written in the presence of following witnesses:

For & on behalf of
The Indian Institute of Technology Kanpur
(First Party)
Signed, Sealed and delivered by

For & on behalf of
The M/s
(Second Party)
Signed, Sealed and delivered by


Name: **Vishwa Ranjan**
Designation: **Registrar,**
Address: **IIT Kanpur**
(Authorized Signatory)

विश्व रंजन / Vishwa Ranjan
कुलसचिव / Registrar
भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

कानपुर - 208 016 (उ.प्र.) INDIA
In the presence of Witness:
KANPUR - 208 016 (U.P.) INDIA

1. (Indenter)
2.

Name:
Designation:
Address:
(Authorized Signatory vide resolution
dated passed by the Board of
Directors)

1.
2.

(Part-C)

Commercial Terms and Conditions

1. DEFINITIONS

These Commercial Terms and Conditions shall constitute the General Conditions of Contract, where no separate contract is signed with the selected Bidder(s), and, the Bidders by putting their signature and stamp on each page of this Section V are binding themselves to these Terms and Conditions. In the Commercial Terms and Conditions as defined below, words and expressions shall have the following meanings assigned to them:

- 1.1 **“Contract”** means the agreement of the Parties relating to the procurement of Goods and / or the IITK Purchase Order (PO), and all attachments incorporated by reference, which shall form an integral part of the Contract. In the event of any discrepancy, the documents to prevail shall be given precedence in the following order: (i) the Contract (where separately signed), (ii) the IITK Purchase Order, (iii) its attachments, and (iv) these Commercial Terms and Conditions.
- 1.2 **“Contractor”** means the person or entity named in the ‘CONTRACTOR’ named field of the IITK Purchase Order and any agreed in writing by the IITK legal successor(s) in title.
- 1.3 **“Day”** means any calendar day.
- 1.4 **“Delivery Date”** means the latest possible date by which the Goods shall be delivered by the Contractor to the IITK, as specified in the ‘DELIVERY DATE’ named field of the IITK Purchase Order.
- 1.5 **“Force Majeure”** shall mean any unforeseeable exceptional situation or event beyond the Parties’ control which prevents either of them from fulfilling any of their obligations under the Contract, was not attributable to error or negligence on their part (or of their partners, contractors, agents or employees), and could not have been avoided by the exercise of due diligence. Defects in equipment or material or delays in making them available, labour disputes, strikes or financial problems cannot be invoked as Force Majeure by the defaulting Party. Neither of the Parties shall be held liable for breach of its obligations under the Contract if it is prevented from fulfilling them by Force Majeure. The Party invoking Force Majeure shall notify the other without delay, stating the nature, likely duration and foreseeable effect, and take any measure to minimize possible damage.
- 1.6 **“Goods”** means all of the goods to be supplied to the IITK by the Contractor under the Contract.
- 1.7 **“IITK”** means the Indian Institute of Technology Kanpur.
- 1.8 **“IITK Purchase Order”** means the IITK’s official Purchase Order document.
- 1.9 **“Party”** means the IITK, or the Contractor and **“Parties”** means the IITK and the Contractor; and **“Place(s) of Delivery”** means the location(s) or place(s) where the Goods are to be delivered, as specified in the ‘SHIP TO’ named field of the IITK Purchase Order.

2. CONCLUSION OF THE CONTRACT

- 2.1. The Contract is made between the IITK and the Contractor. The Contractor is engaged as an independent contractor for the sole purpose of delivering the Goods.
- 2.2. The Contract shall be concluded upon the Contractor duly following the countersigning procedure as stated in the IITK Letter of Intent (LOI).

3. FUNDING

- 3.1 This Contract shall become and remain effective only on the condition that an official Purchase Order is issued by IITK following the conclusion of tender exercise. In the event this is not or no longer shall the case, the IITK without unreasonable delay notify the Contractor thereof.
- 3.2 Any continuation of the Contractor's performance under this Contract after being notified by the IITK shall be at the Contractor's risk and expense.

4. DELIVERY AND TAKE-OVER OF GOODS

- 4.1 The Contractor shall deliver the Goods at the Place(s) of Delivery. On behalf of the IITK, a duly authorised representative(s), shall take-over the Goods upon delivery. Take-over of the Goods by the IITK shall not be deemed acceptance of the Goods by the IITK. The time of delivery as specified in the Contract / PO shall be strictly adhered to, and time shall be of the essence.

5. QUALITY OF GOODS

- 5.1 The Contractor shall deliver Goods that are:
 - (a) of the quality, quantity and description as required by the Contract / PO; and
 - (b) free from any right or claim of a third party, including rights based on industrial property or other intellectual property.
- 5.2 Should the Goods be of the type "homogeneously defined" or disposable, the Contractor shall undertake, certify, and guarantee that all Goods delivered shall be of the same quality and characteristics as mentioned in the specifications.

6. INSPECTION AND ACCEPTANCE

- 6.1 The duly authorized representative(s) of the IITK shall have the right, before payment, to inspect the Goods either at the Contractor's stores, during manufacture, at the ports and/or in places of shipment, or at the Place(s) of Delivery. The Contractor shall provide all facilities for such inspection. The IITK may issue a written waiver of inspection. Any inspection carried out by representative(s) of the IITK, or any waiver thereof shall be without prejudice to other provisions of the Contract concerning obligations assumed by the Contractor, including specifications of the Goods.
- 6.2 Upon delivery and inspection of the Goods, the IITK shall inspect the goods as soon as possible and complete the Goods Receiving Document. Should any Goods fail to conform to the technical specifications, codes and standards under the Contract, the IITK may reject the Goods. The Contractor shall, at no cost to the IITK, replace the rejected Goods or, alternatively, rectify the non-conformity.

- 6.3 In the case of Goods ordered on the basis of specifications, the IITK shall have the right to reject the Goods or any part thereof and terminate the Contract if the Goods do not conform to the specifications. Nothing in this clause shall in any way release the Contractor from any warranty or other obligations under the Contract.

7. SHIPPING AND INSURANCE

- 7.1 For overseas orders, shipping arrangements shall be co-ordinated by IITK. Original shipping documents including the packing list shall be airmailed/emailed by the Contractor to the (Assistant Registrar (S&P), IIT, Kanpur – 208 016, UP, India).

8. OBSERVANCE OF LAW AND EXPORT LICENCES

- 8.1 The Contractor shall comply with all laws, ordinance, rules and regulations bearing upon the performance of its obligations under the terms of the Contract. If an export licence or any other governmental authorisation is required for the Goods, it shall be the obligation of the Contractor to obtain such licence or governmental authorisation. In the event of the Contractor's failure to obtain such licence or authorisation within a reasonable time, the IITK may immediately terminate the Contract. Where the award procedure or execution of the Contract is vitiated by substantial errors or irregularities or by fraud, the IITK shall suspend execution of the Contract.
- 8.2 Where such errors, irregularities or fraud are attributable to the Contractor, the IITK may also refuse to make payments or may recover monies already paid, in proportion to the seriousness of the errors, irregularities or fraud. The purpose of suspending the Contract shall be to verify whether presumed substantial errors and irregularities or fraud have actually occurred. If they are not confirmed, execution of the Contract shall resume as soon as possible. A substantial error or irregularity shall be any infringement of a contract or regulatory provision of India, resulting from an act or an omission that causes or might cause a financial loss.

9. PRICE

- 9.1 The price of the Goods shall be as stated in the Purchase Order and may not be increased.

10. PAYMENT

- 10.1 Unless otherwise stipulated in the Purchase Order, the IITK shall make payment within thirty (30) Days of the later of:
- (a) Successful delivery of the goods to IITK as confirmed by the consignee (Assistant Registrar, Store & Purchase, IIT-Kanpur), endorsed by the indenter and approved by the indenters' Head of Department / Section.
 - (b) Receipt of customary shipping documents and any other documents specified in the Contract; and (c) Receipt of the original invoice issued by the Contractor.

- 10.2 All invoices shall be in original and shall contain the IITK Purchase Order number, and a description, the quantities, unit and total price(s) of the Goods delivered. The currency of the invoice and payment shall be as specified in the Purchase Order. Unless otherwise authorized by the IITK, a separate invoice shall be submitted for each shipment under the Contract / PO. Subject to Clause 11 below ('Tax Exemption'), if applicable, the GST amount shall be separately identified in the invoice.
- 10.3 Payments shall be made in the currency stated in the Contract / PO, on the basis of the equivalent value of INR on the day of payment and paid directly into the nominated bank account.
- 10.4 The IITK shall not pay any charge for late payments.

11. TAX EXEMPTION

- 11.1 The Contractor's price shall reflect any tax exemption to which the IITK is entitled. If it is subsequently determined that any taxes that have been included in the price are not required to be paid or if, having been paid, any such taxes are subject to refunding, the IITK shall deduct the amount from the Contract price. Payment of such adjusted amount shall constitute full payment by the IITK. In the event that any taxing authority refuses to recognize the IITK's exemption from taxes, the Contractor shall immediately consult with the IITK to determine a mutually acceptable procedure for settling the applicable amount.

12. WARRANTY

- 12.1 The Contractor warrants that the Goods furnished under the Contract conform to the technical specifications, description and standards specified in the Contract, and are new and unused, and free from defects in design, workmanship and/or materials.
- 12.2 The Contractor shall provide a warranty for the Goods for a period of one year from the date of acceptance of the Goods by the IITK, unless the standard manufacturer's warranty period is longer in which case the longer period shall apply.
- 12.3 In the case of "homogeneously defined" or disposable goods, should any portion of the Goods, at any time, not comply with clause 5.1 or 5.2 herein or otherwise prove to be defective, the Contractor shall, upon written notification from the IITK, replace that portion of the Goods and bear all costs associated with the replacement of same.

13. PACKING

- 13.1 The Goods shall be packed and marked in a proper manner and in accordance with the Contract and any statutory requirements and any requirements of the carrier(s). In particular, the Goods shall be marked with the IITK Purchase Order number and the net, gross and tare weights, the name of the contents shall be clearly marked on each container and all containers of hazardous goods (and all documents relating thereto) shall bear prominent and adequate warnings.
- 13.2 The Contractor shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and the absence of appropriate handling facilities at all points in transit.

13.3 All packaging materials shall be non-returnable.

14. DEFAULT AND DAMAGES

14.1 If due to reasons attributable to the Contractor, the Contractor fails or refuses to:

- a. deliver any or all of the Goods under the Purchase Order.
- b. comply with any or all of the terms and conditions set out in the Purchase Order; or
- c. deliver any or all of the Goods under the Purchase Order on or before the Delivery Date; the IITK may hold the Contractor in default under the Purchase Order.

14.2 When the Contractor is thus in default, the IITK may, by written notice to the Contractor, immediately terminate the Purchase Order in whole or in such part or parts thereof in respect of which the Contractor is in default.

14.3 Alternatively, to clause 14 above when the Contractor is thus in default, the IITK may, at its own discretion, set a reasonable period of time for the Contractor to remedy its default. Any new Delivery Date shall be specified in a written amendment to the Purchase Order, duly countersigned by the Contractor.

14.4 The IITK may, at its discretion, impose penalties upon the Contractor calculated in accordance with clause 15 for each Day the Contractor is late in delivering the Goods past the Delivery Date initially specified in the Purchase Order.

14.5 If the Contractor does not remedy its default within the period accorded under clause 16, the IITK may, by written notice to the Contractor, terminate the Purchase Order with immediate effect.

14.6 Upon any termination of the Purchase Order, in whole or such part(s) thereof in respect of which the Contractor is in default, the IITK may engage another contractor to deliver the Goods and recover any difference in price and any additional costs from the Contractor.

14.7 The Contractor shall indemnify the IITK for all losses, charges, costs and expenses, which the IITK may suffer or incur as a result the Contractor's default, including those resulting from engaging another contractor pursuant to this clause 14.

15. PENALTIES

15.1 If, in accordance with clause 15, the IITK imposes penalties on the Contractor, such penalties shall amount to point five percent (0.5%) of the total Purchase Order price for each week following the initial Delivery Date specified in the Purchase Order but shall not amount to more than Ten percent (10%) of the total Purchase Order value. The penalties for the delay may be deducted by IITK from any sum(s) due, or to become due, by the IITK to the Contractor.

16. DELAY NOT ATTRIBUTABLE TO THE CONTRACTOR

16.1 If the Contractor is delayed at any time in the delivery of the Goods or fulfilment of any other of the Contractor's obligations by any act or omission of the IITK, or by any of its officials, or by any separate contractor(s) contracted by the IITK, or by changes ordered in the type and/or quantity of the ordered Goods, or the Place(s) of Delivery, or any causes beyond the Contractor's reasonable control, or by any other cause, which the IITK determines may reasonably justify the delay, the Delivery Date of the Goods, or fulfilment of any other of the Contractor's applicable obligations shall be extended for such reasonable period of time as the IITK and the Contractor mutually determine. The set reasonable period of time and any amended

delivery date shall be specified in a written amendment to the Contract / PO, duly countersigned by the Contractor.

17. FORCE MAJEURE

- 17.1 As soon as possible after the occurrence of any event constituting Force Majeure, but no later than three (3) Days, the Contractor shall give notice and full particulars in writing to the IITK of the Force Majeure. If the Contractor is thereby rendered unable, wholly or in part, to meet its obligations under the Contract, the IITK may terminate the Contract / PO with immediate effect by providing written notice to the Contractor.

18. INDEMNITY

- 18.1 The Contractor shall indemnify, hold and save harmless and defend at its own expense the IITK, and all of the foregoing's officials, agents, servants and employees from and against all suits, claims, demands and liability of any nature or kind, including costs and expenses, arising out of acts or omissions of the Contractor or its employees, agents or subcontractors in the performance of the Contract.
- 18.2 Clause 18 shall include, without limitation, claims and liabilities in the nature of workmen's compensation and claims and liabilities arising out of the use of patented inventions or devices.

19. ASSIGNMENT

- 19.1 The Contractor shall not assign, transfer, pledge or make other disposition of the Purchase Order or any part thereof or of any of the Contractor's rights, claims or obligations under the Purchase Order except with the express written consent of the IITK. Any assignment made without such consent shall be void and of no effect.
- 19.2 The Contractor shall not subcontract any of its obligations under the Contract / PO without the express written consent of the IITK. The IITK may require the Contractor to furnish particulars of the proposed subcontract as the IITK deems necessary.
- 19.3 The IITK's approval of any subcontracting shall not relieve the Contractor from any liability or obligation under the Contract. In any subcontract, the Contractor agrees to bind the subcontractor by the same terms and conditions by which the Contractor is bound under the Contract / PO.

20. INSOLVENCY AND BANKRUPTCY

- 20.1 Should the Contractor become insolvent or should control of the Contractor change by virtue of insolvency, the IITK may with immediate effect and without prejudice to any other right or remedy available to it, suspend the performance of the Contractor's obligations or terminate the Purchase Order with immediate effect, by providing the Contractor with written notice thereof.
- 20.2 Should the Contractor be adjudged bankrupt, or should the Contractor make a general assignment for the benefit of its creditors, or should a receiver be appointed on account of the Contractor's insolvency, the IITK may, without prejudice to any other right or remedy available to it, terminate the Purchase Order with immediate effect by providing the Contractor with written notice thereof.

21. TERMINATION

21.1 The IITK shall have the right to terminate the Purchase Order or any of the provisions thereof at any time by serving a three days' notice to the Contractor.

22. WAIVER

22.1 A waiver of any breach of or default under the Contract / PO shall not constitute a waiver of any other breach or default and shall not affect the other terms of the Contract / PO. The rights and remedies provided by the Purchase Order are cumulative and are not exclusive of any other rights or remedies.

23. ADVERTISING

23.1 The Contractor shall not advertise or otherwise make public the fact that it is a contractor to the IITK. The Contractor shall not in any way use the name, emblem, logo, official seal, or any abbreviation of the IITK.

24. DISCRETION AND CONFIDENTIALITY

24.1 The Contractor is required to exercise the utmost discretion in all matters relating to the Contract / Purchase Order. Unless required in connection with the performance of the Purchase Order or expressly authorised in writing by the IITK, the Contractor shall not disclose at any time to any third party any information which has not been made public and which is known to the Contractor by reason of its association with the IITK. The Contractor shall not, at any time, use such information to any private advantage. These obligations do not lapse upon any completion, expiration, cancellation or termination of the Contract / PO.

25. NOTICES

25.1 Any notice given in connection with the Contract shall be given in English and in writing and shall be deemed to be validly given if sent by registered mail or by fax or by email to the other Party at the following:

- a. for the IITK: the contact details set out in the 'IITK BUYER' name field of the Purchase Order; and
- b. for the Contractor: the contact details set out in the 'CONTRACTOR' named field of the IITK Contract/Purchase Order.

26. STAFF MEMBERS NOT TO BENEFIT

26.1 The Contractor shall not grant to any official of the IITK any direct or indirect benefit or preferential treatment on the basis of the Purchase Order or the award thereof. Any breach of this provision shall constitute a fundamental breach of the Purchase Order.

27. GOVERNING LAW

27.1 The Contract shall be governed by and construed in accordance with the substantive laws of the Republic of India.

28. SETTLEMENT OF DISPUTES

- 28.1 The Parties shall use their best efforts to negotiate and amicably settle any disputes, controversies or claims arising out of, or in connection with, the Contract / Purchase Order or its interpretation.
- 28.2 If the Parties fail to settle the dispute amicably within thirty (30) Days of commencement of the negotiations, the dispute shall be settled through arbitration. One (1) sole arbitrator shall be appointed by the Director of IITK who full powers shall have to make final and binding decisions subject to prevailing laws of India. The appointing authority shall be the Director of IITK. The place of arbitration shall be Kanpur, and the language used in the arbitration proceedings shall be English.

29. PRIVILEGES AND IMMUNITIES

- 29.1 No provision of the Contract / Purchase Order shall be deemed, or interpreted as, a waiver of the privileges and immunities enjoyed by the IITK.

30. AMENDMENTS

- 30.1 No modification, amendment or change to the Contract/Purchase Order, or waiver of any of its provisions, or any additional contractual relationship with the Contractor shall be valid unless approved in the form of a written amendment to the Contract/Purchase Order, signed by a fully authorised representative of each Party.

31. VALIDITY

- 31.1 The invalidity in whole or part of any condition of the Contract / Purchase Order or clause thereof shall not affect the validity of the remainder of such condition or clause.

32. ENTIRE AGREEMENT

- 32.1 The Contract / Purchase Order constitute the entire agreement and understanding of the Parties and supersede any previous agreement, whether orally or in writing, between the Parties relating to the subject matter of the Contract.

33. GOVERNING LANGUAGE

- 33.1 The Contract / Purchase Order shall be executed in the English language which shall be the binding and controlling language for all matters relating to the meaning and interpretation of the Contract / Purchase Order.

Detailed Technical Specification /Scope of Work

Active LED 2.5 Pixel Pitch (3 Pieces)			
S No	Parameter	Required Parameters	Compliance Yes/No
1	Video Wall Size	The minimum required size is 23.1ft in width and 20.47ft in height . This size must be achieved using a combination of video wall cabinets of the specified dimensions, with a permissible variation of $\pm 2\%$.	
2	Video Wall Technology	Micro LED (Indoor) SMD or better	
3	Pixel Pitch	$\leq 2.5\text{mm}$ or lesser	
4	Module & Cabinet Size	Module: 320mm x 160mm x 15mm or better	
		Cabinet: 640mm x 480mm	
5	Total Resolution	Min. 2816x2496 pixels	
6	Pixel Density	$\geq 160,000$ pixels/m ² or Higher	
7	Brightness	On-screen brightness ≥ 500 cd/m ² or better	
8	Processing	12 Bit or Higher	
9	Pixel per Tile	Minimum 128*64 px (HxV)	
10	Viewing Angle	Horizontal $\geq 150^\circ$, Vertical $\geq 130^\circ$	
11	Refresh Rate	Minimum 3840Hz or higher	
12	Color Temperature	Between 3000~15000 (Adjustable)	
13	Contract Ratio	5000:1	
14	Average time without failures	$\geq 5000\text{hrs}$	
15	LED Lifetime, Typical(hrs)	$\geq 50,000$ hrs or better	
16	HDR Compatibility	Supports HDR10 / HDR10+ / HDR10 Pro	
17	Operating Hours	24x7	
18	Operating Temp Range	Temp: -20°C to $+40^\circ\text{C}$ / Humidity: 10%–60% RH	
19	IP Protection	Min IP30 or better	
20	Maintenance	Easy and damage-free tile/module maintenance	
21	Certifications	BIS, CE, FCC and RoHS	
22	Spare Modules	10% extra LED Modules along with Cards to be supplied and kept at Site	
23	Cabinet Type	Cabinet should include Receiving card and Power supply for the each module	
24	Features	Pixel level brightness and chroma calibration ,Quick adjustment of dark or bright lines, Individual gamma adjustment for RGB ,Image rotation in 90° increments, Mapping function, Setting of a pre-stored image in receiving card,	
25	Mounting structure	Mounting structure with MS/Aluminium extrusion, weather-resistant powder-coated finish, and corrosion-resistant MS brackets.	
Sending Card/ Video Wall Controller (3 Pieces)			
S No	Parameter	Required Parameters	Compliance Yes/No
1	Features	LED display controller with supports Up to 10 million pixels	
2	Input Resolutions	Up to 4K UHD (4096x2160)	
3	Input Interfaces	HDMI 2.0, DP 1.2, DVI, SDI, USB, RJ45	
4	Output Interfaces	Multiple RJ45 ports for LED display control	
5	Processing Features	HDR10, HLG, Scaling, Low Latency, Multi-window (PIP, PBP)	
6	Latency	Ultra-low latency for real-time performance	
7	Synchronization	Genlock support for professional broadcasting	

8	Redundancy	Dual power supply & signal backup for uninterrupted operation	
9	Control Methods	USB, LAN, RS232, Cloud-based remote management	
10	Frame Syncing	Genlock synchronization for seamless visuals	
11	Mounting	19-inch Rack Mountable	
12	Power Supply	AC 100-240V, 50/60Hz	
13	Additional Features	Super high load capacity, flexible input/output options, remote control	

ALL IN ONE ELECTRONIC PODIUM (3 Pieces)

S No	Parameter	Required Parameters	Compliance Yes/No
2	Mechanism	The system should have a Top Sliding Mechanism.	
3	Keyboard/Mouse Tray	It should have sliding Tray for Keyboard /Mouse	
4	Visualiser Tray	It should have a Provision for Visualiser with a Sliding Tray.	
5	Wheels	Its should have Wheels for easy movement.	
6	Rack Space	Its should have Rack Space for keeping Amplifier, CPU, Microphone receiver or more equipment.	
7	Screen Size	The system should consist of 21.5 Inches Touch Screen Monitor.	
8	Resolution	The monitor should have a native resolution of 1920x1080	
9	Port	The monitor should come with a USB port for PC Connection.	
10	Brightness	The monitor should have a Luminosity of 250 cd/m ² or more.	
11	Input port	The monitor should have a VGA, HDMI or DVI Input port.	
12	Supply	The monitor should support Power Supply of 100 ~ 250VAC.	
13	Gooseneck Mic Frequency	The Microphone should have a frequency response of 40 Hz to 17,000 Hz or better.	
14	Digital Signage Display	The podium should feature a minimum 32" or larger digital signage display with a Full HD (1920 x 1080p) or higher resolution, supporting both landscape and portrait orientations. The display should be capable of playing videos and displaying organization logos. It must include at least the following input/output ports: 2x HDMI 2.0, 2x USB, 1x RJ45, and RS232 (in/out).	
15	Gooseneck Mic Pattern	The Microphone should have a Cardioids Polar Pattern.	
16	Gooseneck Mic Port	The podium shall be equipped with standard 3-pin XLR connectors to support gooseneck microphones.	
17	Wireless Microphone System	It should be supplied with 2 x Gooseneck Mic, 1 Wireless Handheld and 1 Headband Microphone.	
18		The Microphone should have a frequency response of 40Hz to 17000 Hz or better.	
19	Amplifier	The Amplifier should consist of a 100 Watts (50 WattsX2)	
20		The Amplifier should have S/N Ratio of >80dB.	
21		The Amplifier should be inbuilt with DSP. It should be from same OEM of DSP.	
22	DSP	The DSP should have a 100% Full Duplex Echo Cancelling – no attenuation during full-duplex.	
23		The DSP should have 1 X 6.5mm Mic input, 1xUSB 2.0 Audio USB port, 1x 2RCA Line-In port as input ports from day 1.	

24		It should have out as 2x phoenix ports, Line-out as 1x 2RCA port	
25		The DSP should be standard 19 inches Rack Mountable	
26		The DSP Should have sufficient Ports to perform the Acoustic Echo Cancellation for all the microphones.	
27		DSP Should have dual capability of Local Sound Reinforcement and Far end Audio to be sent for Video conferencing at the same time without any Noise and Echo. Whatever teacher or student speaks through Collar or hand held microphone and Goosneck microphone all should be Going to Far end Location over Video Conference and also should comeout of Speakers for local Sound Reinforcement so that everyone present in class can also hear clearly.	
28		The DSP should have USB port for integrating with Unified Software solutions like InVC, Vidyo, Skype, etc.	
29		The DSP should have inbuilt Amplifier. It should come as one single unit as DSP-cum-Amplifier, from day 1. It should have inbuilt Receiver for Wireless Microphones from day 1.	
30	Speakers	It should be supplied with two (2) no's wall mount Speakers	
31		The speaker should be 50 Watts or more.	
32		The speaker should be part of package of DSP & Amplifier. It should be from same OEM of DSP.	
33	Laptop Interface with integrated Advance Switcher	The system should consist of the atleast following ports on the interface with integrated Switcher having following Ports VGA port, HDMI Port, Audio port, 4 USB Ports, Power Outlet. It should come with integrated button pad controller to switch between HDMI , VGA and USB Ports. It shall have HD video inputs for CPU, 2x Laptop Inputs, Visualiser or more	
34	System Controller with switcher and Control Pad	It should be supplied with Controller having 3 numbers RS-232 Ports.	
35		It should have 2 numbers of IR ports which should also acts as RS232 port by configuration when required.	
36		It should have 5 or more high voltage relay ports. External relay modules can also be used.	
37		It should have RJ-45 Port.	
38		A Control pad is to be supplied with the controller which should be touch enabled. It shall be at least 7 inches in size. Touch pad must be Android based.	
39	Functions	It should perform the functions of Mic Mute/Unmute, Volume Mute/Unmute, Projector On/Off, Screen Up/Down, Source Selection or more including Lighting Control. If external Faculty wants to connect his Laptop and play any multimedia Content it should transfer touch control and Audio through single USB Cable so that Laptop screen can be touch controlled with integrated touch interactive panel and also through same USB Port Audio should also be sent through DSP and amplifier to the External speakers.	
40	Certifications	It should be CE, FCC, RoHS certified. Proof to be submitted.	

Wireless Discussion Units with Conference Controller (1 Piece)			
S No	Parameter	Required Parameters	Compliance
			Yes/No
1	Technology	standard Wi-Fi technology and self-adjustment technology. The system should work in the 2.4Hz and 5GHz band and get the 50 channels for communication to coexist with other Wi- Fi network	
2	Audio Sampling and Frequency response	48K audio sampling rate and 20Hz~20KHz frequency response	
3	Special Features	Output 16 segment equalized EQ to achieve sound field adjustment; pressure limit, which can recognize the noise gate passed by human voice. AGC automatic volume gain control; AFC automatic feedback suppression and auto-mix technology, advanced noise cancellation technology, Echo cancellation	
4	Output Zone Control	6 separated output zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.	
5	Recording	USB audio recording	
6	Audio Input	2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input.	
7	Audio Output	Maximum 8-channel audio output, XLR, RCA and Phoenix type, can be connected to simultaneous	
		interpretation output or partitioned output	
8	Control Port	RS232 central control, realize microphone switch, priority, volume and other control	
9	Camera Control	RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function.	
10	Limit on the number of active speaking persons	Active units at the same time will be 2 Chairman and 4 Delegates	
11	Discussion modes	"OPEN" Free for all, limited by the active units setting by controller "VOICE" Can activate MIC by detecting sound without press button, "OVERRIDE" First in First out, "APPLY" To apply then to speak,	
12	Control & Indicators	LCD display to show all the operations and results	
		4-Way button for menu operate	
		One-button press to start recording	
		light indicator	
		Master volume control knob	
13	Interfaces	Front panel USB recording interface, 3.5mm headphone for monitoring, 1x RCA audio input, 1x XLR audio input, 1x RCA audio output, 1x XLR audio output	
		6x Phoenix audio output connector, 2x RJ45 digital audio connection, 2x RJ45 for chairman unit, delegate unit, 1x RJ45 for wireless AP or router, 1x DB9 male interface for external control, 1x DB9 female interface for camera	
		1x three-pin phoenix interface for camera control keyboard, 1x RJ45 for computer connection or network switcher,1x grounding screw, 1x 100 ~ 240V AC Power Interface	
	Chairman Unit (1 Piece)		
14	Type	Wireless Table Top unit with built in speaker	
15	Speaker	Internal high-fidelity loudspeaker	
16	Transmit technology	High fidelity sound by zero loss audio transmit technology	
17	Audio Sampling and Frequency response	48K audio sampling rate and 20Hz~20KHz frequency response	

18	Special Features	Support AGC (Automatic Gain Control,15 segment)/ AFC (Adaptive Feedback Cancellation)/ ANC(Active Noise Control 15 segment)/ Mix (Auto-Mix) technology	
19	Chairman Priority	Chairman unit has priority to close all other units or mute them temporarily and consent the request for speaking from delegate	
20	Control & Indicators	OLED Display, MIC ON/OFF,	
		Chairman unit with priority button and consent button for the delegates, Volume up and down	
21	Interfaces	Socket for Pluggable Gooseneck microphone	
		3.5mm stereo Headphone jack	
22	Input impedance	2 k Ω	
23	Signal to Noise Ratio	70 dB	
24	Frequency response	20 ~ 20000Hz	
25	Microphone	Cardioid, Sensitivity--46dBV/Pa,Length-485mm	
26	Working hours once fully charged	20 Hours	
Delegate Unit (12 Pieces)			
27	Type	Wireless Table Top unit with built in speaker	
28	Speaker	Internal high-fidelity loudspeaker	
29	Transmit technology	High fidelity sound by zero loss audio transmit technology	
30	Audio Sampling and Frequency response	48K audio sampling rate and 20Hz~20KHz frequency response	
31	Special Features	Support AGC (Automatic Gain Control,15 segment)/ AFC (Adaptive Feedback Cancellation)/ ANC(Active Noise Control 15 segment)/ Mix (Auto-Mix) technology	
32	Control & Indicators	OLED Display, MIC ON/OFF, Volume up and down	
33	Interfaces	Socket for Pluggable Gooseneck microphone	
		3.5mm stereo Headphone jack	
34	Input impedance	2 k Ω	
35	Signal to Noise Ratio	70 dB	
36	Frequency response	20 ~ 20000Hz	
37	Microphone	Cardioid, Sensitivity--46dBV/Pa,Length-485mm	
38	Working hours once fully charged	20 Hours	
AP Transmitter (1 Piece)			
39	Wireless Range	It should have Typical coverage range up to 30m or more	
40	Units Supports	It should have support of 50 conference unit	
41	Encryption	128 bits AES digital encryption technology, with WAP2 secure connection, MAC address filtering, SSID-hiding.	
42	WLAN Standard	IEEE802.11ac, IEEE802.11a, IEEE802.11g, IEEE802.11b	
43	RF Frequency Bands	2.4GHz ISM / 5GHz UNII or better	
44	Interfaces	1 \times Gigabit WAN/POE Port, 1 \times Gigabit LAN	
45	Link Speed	1200Mbps	
46	Networking Addressing Capability	DHCP or Manual IP address	
Battery Charging Unit (2 Pieces)			
47	Capacity	Max 8 or more battery charging capacity at one time	
48	Time to charge	4 hours needed to fully charge	

49	Power Consumption	20W	
50	Certifications	CE, FCC and RoHS Certification	
12 Channel Pro Audio DSP (1 Piece)			
S No	Parameter	Specifications	
1	Type	12-channel audio processor	
2	Mic Inputs	It Should have 8 or more Microphones input interface with phoenix connector.	
3	Line inputs Type-1	It Should have 2 Line input interfaces, usually for the local audio source, i.e., DVD, laptop, etc. phoenix connector.	
4	Line Inputs Type-2	It Should have 2 Line input interfaces, usually for AEC reference signal input, phoenix connector.	
5	Line Outputs Type-1	It Should have 2 Line output interfaces, usually for the external recording device, phoenix connector.	
6	Line Outputs Type-2	It Should have 2 Line output interfaces, usually for AEC signal output, phoenix connector.	
7	Line Outputs Type-3	It Should have 2 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, phoenix connector.	
8	Other Ports	It should have at least one Wireless microphone input, 3.5mm audio connector. Monitor headphone interface, 3.5mm connector.	
9	Control Port	It should have 1xRS232 for connected to the control terminal, phoenix connector	
10	ETHERNET	It should have at least one Ethernet port for Configuration/control interface, RJ45 connector.	
11	USB/Stereo 3.5mm Interface for Soft calls	It should have at least one USB2.0/Stereo 3.5mm type A interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application	
12	Software	It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting, Noise Reduction Setting, AGC(Automatic Gain Control) Setting, Dereverberation Setting, High-Pass Filter Setting, Low-Pass Filter Setting, Parameter Equalizer Setting, Leveler Setting, Auto Mixer Setting, Level Control Setting, Matrix Mixer Setting	
13	Certifications	CE, FCC and RoHS Certification	
Audio Amplifier (1 Piece)			
S No	Parameter	Specifications	
1	Gain Control	The system should have the facility to control the gain of microphone.	
2	Indicator	The system should have LED indicator for status.	
3	Frequency Response	The Frequency response should be 20Hz – 20000 Hz.	
4	Amplifier Type	The system should be Class-D type digital amplifier with with Bass, treble Equalizer.	
5	Channel	It should have 2 channel stereo output	
6	Power	The Amplifier should have 200 Watts at 8 Ohms	
7	Channel	The Amplifier should be inbuilt with 2 channel from day 1.	
8	Line Input	It should have Line Inputs as 1 x 2RCA	
9	Line Output	It should have Line Outputs as 1 x 2RCA	
10	Mic Input	It should have 2x phoenix Microphone Inputs with separate gain controller	
11	Unbalanced Input	It should have 1 Unbalanced Microphone 6.5mm Phono Input with gain controller	
12	RS232 port	Amplifier should have 1 X RS232 port for controlling	
13	Form Factor	The system should be standard 19 inches Rack Mountable or better.	
14	Certification	CE, FCC and RoHS Certification	

Wall Mount Speakers (4 Pieces)			
S No	Parameter	Specifications	
1	Enclosure Material	The system should be made of ABS Plastic	
2	Woofer type	The system should be have polypropylene cone woofer	
3	Woofer size	The system should be have woofer size of 5.25" or higher	
4	Tweeter type	The system should be have Titanium dome type Tweeter	
5	Tweeter size	The system should be have Tweeter size of 1" or higher	
6	Frequency response	It should be frequency bandwidth 90HZ – 20 kHz	
7	Impedance	It should have impedance of 8 ohms or higher	
8	SPL (Sound Pressure Level)	It should have SPL of 90dB or higher	
9	Power (RMS)	It should have 50 watts or higher Power (RMS)	
10	Connectors	It should have 1 (one) pair metal binding terminal type connectors	
11	Type of Mounting	It should be wall-mounting or higher	
12	Dual axis Mounting	It can be mounted vertically or horizontally in both axis	
75" Interactive Display (2 Pieces)			
S No	Parameter	Specifications	Compliance Yes/No
1	Display Panel Size	75 Inches or higher	
2	Light Source	DLED backlight	
3	Resolution	3840 × 2160 (4K UHD)	
4	Refresh Rate	60Hz	
5	Aspect Ratio	16:9 or better	
6	Display Colour	1.07 Billion colors (10-bit) or higher	
7	Surface	4mm Anti-glare tempered glass	
8	Brightness	Upto 350 cd/m ² or better	
9	Contrast Ratio	4000:1 or better	
10	Viewing Angle	178° (H/V)	
11	Response Time	8 ms or less	
12	Backlight Life	≥ 50,000 hours or better	
13	Touch Technology	IR Touch	
14	Touch Points	40 touch points on Android & Windows or better	
15	Touch Response	≤ 5ms or less	
16	Touch Accuracy	± 1mm or less	
17	CPU	Octa Core A55, 1.5GHz or better	
18	GPU	Quad-Core MaliG52	
19	RAM + ROM	8GB RAM + 128GB Storage or better	
20	Operating System	Android 14.0	
21	Wi-Fi	802.11 a/b/g/n/ac/ax (2.4GHz/5GHz)	
22	Bluetooth	5.0 or latest	
23	Speakers	2 × 20W or better	
24	Interfaces (Front)	2 × USB 3.0, 1 × HDMI IN, 1 × Touch USB, 1 × Type-C, Power Button	
25	Interfaces (Onboard)	TF Card Slot ×1, USB 2.0 ×2, Touch USB ×1, HDMI IN ×2, RS232 ×1, Line Out ×1, Coax ×1, 3.5mm Jack ×1, RJ45 IN ×1, HDMI Out ×1	
26	Whiteboard Features	Multi-touch interactive whiteboard (upto 20 points), handwriting-to-text, AI shape recognition, math/science tools, sticky notes, text editing, real-time collaboration, export to PDF, YouTube & Google integration, browser panel, 3D model viewer, screen capture	

27	Power Consumption	100–240V AC, 400W max, ≤0.5W standby	
28	Product Dimensions	1706.8 × 1027.3 × 116mm	
29	Net Weight	50±1 KG or less	
30	VESA	600 × 400mm	
31	Environmental Factors	Operating Temp 0–40°C, Humidity 10–90% RH, Storage Temp –20–60°C	
32	Accessories	Power Cord ×1, Stylus Pen ×2, Wall Mount Kit ×1, Remote Control ×1, User Manual ×1	
33	Certifications	BIS, CE, FCC & RoHS	

Specification for Digital Signage Solution (5 Pieces)

1. General Requirements

- The solution should be a license-based system.
- The solution should support the management and display of digital content across multiple devices.
- The solution should include an Admin Panel (Web Application) and Display Signage Application.
- The solution should be deployable on cloud-based services.
- The system should support authentication via OAuth 2.0 or JWT for secure access.

2. Solution Capabilities

- The solution should support image, video, and text formats for digital content.
- The solution should allow for scheduled or on-demand content display.
- The system should support an installable mobile app for Android OS (version 6.0 and above).
- The solution should support both online and offline content playback.

3. Admin Panel Requirements (Web Application)

- The solution should provide device management features:
 - Ability to add and register new devices.
 - Ability to remove or deregister devices.
 - Ability to check device status (online/offline).
- The solution should support content creation with the following formats:
 - Image: JPEG, PNG, GIF.
 - Video: MP4, AVI, MKV.
 - Text: Rich text editor for formatted text signage.
- The solution should support content scheduling:
 - Ability to schedule content display based on specific times and dates.
 - Ability to trigger immediate on-demand content display.
- The solution should provide user authentication and authorization:
 - Secure login with password recovery and multi-factor authentication.
 - Role-based access control.
- The admin panel should be developed using:
 - Front-end: HTML5, CSS3, JavaScript (MeteorJS).
 - Back-end: Node.js, Express.js (or equivalent) with RESTful API.
 - Database: MongoDB (or equivalent NoSQL database).

4. Display Signage Application Requirements

- The solution should include a web application:
 - Compatible with modern web browsers (Chrome, Firefox, Safari, Edge).

- Capable of displaying content as per schedule or on-demand.
- The solution should include an installable mobile app:
- Developed using Java/Kotlin and Android SDK.
- Compatible with Android 6.0 and above.
- Capable of receiving and displaying content as per schedule or on-demand.
- Should run a background service to handle scheduling and updates.

5. Functional Requirements

- The system should enable secure login for administrators.
- The system should allow uploading, previewing, and editing of content before publishing.
- The system should provide a content scheduling interface.
- The system should support immediate content display on demand.
- The display signage application should fetch content from the server and cache it for offline playback.
- The display signage application should check periodically for content updates and handle real-time updates.

Essential

S No	OEM and Bidder Eligibility / PQ Criteria	Compliance Yes/No
1	The OEM / Bidder should have two direct technical support staff in UP for immediate service support. Official HR or documentary evidence required. - Essential	
2	The OEM should have established office in India for a minimum of 5 years. A valid certificate of incorporation or equivalent document must be provided as proof. - Essential	
3	The OEM must be a Make in India manufacturer with a factory located in India. Relevant proof must be submitted. - Essential	
4	Manufacturer Authorization: A valid Manufacturer Authorization Form (MAF) with OEM name, designation, address, email ID, and phone number must be submitted with the bid. - Essential	
5	The OEM should have a minimum of 200 employees on its payroll in India, proving local investment and long-term service capability and this requirement shall be essential in all cases, including situations where the bidder is participating on behalf of the OEM. Proof of compliance must be furnished through valid documentation – Essential	
6	The OEM / Bidder must provide a toll-free number or dedicated helpline for service support along with an escalation matrix. - Essential	
7	The bidder / OEM must submit a declaration on INR 100 judicial stamp paper, duly notarized, stating that they have not been debarred or blacklisted by any bid-inviting authority, or any organization under the Central or State government, semi-government, or PSUs of Central/State Governments, Defence, and paramilitary. The bid will be rejected without this document. The soft copy of the stamp paper must be submitted in the bid. The hard copy must be submitted at the time of the contract. All bidders must submit the declaration from their respective OEMs in case of multiple participation from a single OEM- Essential	
8	The OEM / Bidder must submit a declaration on INR 100 judicial stamp paper, duly notarized, providing the power of attorney for the person signing the bid on behalf of the bidding agency/company. The soft copy of the stamp paper must be submitted in the bid. The hard copy must be submitted at the time of the contract. - Essential	
9	The bidder must submit an ink-signed, notarized Manufacturer Authorization Form (MAF) issued by the respective OEM. - Essential	

10	Affidavit: The OEM / bidder shall furnish an affidavit on INR 100 stamp paper, duly notarized, stating that the correct information has been provided in the tender. The bidder will be solely responsible for furnishing false information in the bid. The bid will be rejected without this document. The soft copy of the stamp paper must be submitted in the bid. The hard copy must be submitted at the time of contract. - Essential	
11	The OEM must submit positive net worth and turnover certificate for the last 3 financial years, certified by a CA. OEM should have average turnover of 9.2 cr in last three years. - Essential	
12	The bidders must furnish Rs. 6,90,000/- as EMD in the form of the Demand Draft/FDR/BG in favour of the Registrar, IIT Kanpur, payable at Kanpur	
13	The OEM / bidder must conduct a site survey before quoting in the bid and obtain a signed and stamped request letter from the consignee by an appointed person from the consignee's side. A received copy of the site survey done request letter, signed and stamped by the consignee, must be submitted by the bidder along with the bid documents. - Essential	
14	Data sheets of all quoted products must be uploaded and must match technical specs in the bid. Any mismatch may lead to bid rejection. - Essential	
15	The Bidder must have a at least one order of 1.15 Cr same or similar items, PO copy should be submitted with bid documents. - Essential	
16	Important Note- Failure to submit the above documents in the prescribed manner will lead to the rejection of the bid. - Essential	

Desirable

S No	OEM and Bidder Eligibility / PQ Criteria	Compliance Yes/No
1	The OEM must be certified with valid ISO 9001:2015, ISO 45001:2018, ISO 27001:2022, ISO 14001:2015, and ISO 50001:2018 certifications. Copies of the relevant certificates must be submitted as proof. - Desirable	
2	The OEM should have established office in India for 10 - 15 years. A valid certificate of incorporation or equivalent document must be provided as proof. - Desirable	
3	The OEM, either directly or through its authorized resellers, should have a proven track record of regularly manufacturing and supplying the same or similar category of products to any Central Government, State Government, or Public Sector Undertaking (PSU). The bidder must submit documentary evidence of having supplied a minimum of four (04) Active LED units. - Desirable	
4	The OEM must submit positive net worth and turnover certificate for the last 3 financial years, certified by a CA. OEM should have average turnover of 100 cr in last three years. - Desirable	
5	The bidder must submit a copy of their GST registration and the GST return file documents for the six months from April 2025 to September 2025. Otherwise, the bid will be rejected. - Desirable	
6	The bidder shall have an average annual turnover of not less than ₹1.15 crore of the last three completed financial years. - Desirable	

Terms and Conditions:

General terms and conditions	1.	Ensure to specify the make & model of the offered product and provide the compliance sheet.
	2.	The price should be F.O.R IIT Kanpur
	3.	Bidder must have at least one order of 1.15 Cr for same or similar items Past 3 years, PO copies or installation certificates of the same or similar model along-with contact details of end users, need to be submitted as proof of supply.
	4.	Feedback from previous customers will be part of the technical evaluation.
	5.	The Institute reserves the right to cancel the tender at any stage without assigning any reason thereof.
Warranty	:	The warranty of the product must be 3 years.
Payment Terms	:	The payment shall be released only after successful installation and final acceptance of the supplied goods.
Delivery Period	:	90 days
Experience	:	Bidders must have 3 years of experience in supplying similar types of equipment and long-term services for the same/similar model of equipment in IITs/NITs or any other Govt. Organization.
Minimum Average Annual Turnover of the Bidder (Last 3 years)	:	1.15 Cr
Performance Security	:	The Successful bidder has to submit Performance Security of (3%) of the contract value in favour of the Registrar, IIT Kanpur in the form of an Account Payee Demand Draft/Fixed Deposit Receipt from a commercial bank/Bank Guarantee (including e-Bank Guarantee).
Earnest Money Deposit (EMD)	:	The bidders must furnish 6,90,000/- as EMD in the form of the Demand Draft/FDR/BG in favour of the Registrar, IIT Kanpur, payable at Kanpur. The EMD is to be submitted at the address given below. Bids without EMD will be summarily rejected.
Declaration of Local Content		The Bidder shall enclose the declaration of local content as per Appendix 3
Integrity Pact		The Bidder shall enclose the Integrity Pact as per Annexure-1

Ateequr Rahman
Deputy Registrar, Academic Affairs
Indian Institute of Technology Kanpur
Kanpur 208 016, India

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Certificate for Tender
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: _____

Name of Tender / Work: -

1."I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

2. "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all the requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Declaration for Local Content

(To be given on Company Letter Head - For tender value below Rs.10 Crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)

Date: _____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has ____% local content.
3. Details of location(s) at which the local value addition is made: _____

"Local Content" means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*"*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law."*

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

FINANCIAL INFORMATION
(On the letter head of CA)

Tender No: _____ dated: _____

Item Name: _____

Bidder's/Firm's Name: _____

Address and Contact No: _____

PAN No.: _____, GST No: _____

Details to be furnished duly supported by figures in the Balance Sheet/ Profit & Loss Account for the last three preceding years (Financial years) duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

Sl. No.	Details	Year ending 31 st March		
		FY 2021-22	FY 2022-23	FY 2023-24
01	Gross annual turnover			
02	Profit (+)/ Loss (-)			

1. Income Tax Return
2. Audited Account of the company for last three years

This is to certify that to the best of my knowledge and belief, the aforesaid facts and figures are correct and in conformity with the books of accounts of the establishment.

Dated:

Signature of Chartered Accountant
with seal and membership number

Bidder's Details
(On the letter head of the Bidder)

1	Name of the Firm/ Company		
2	Offered Product Name, Make and Model		
3	Name and Designation of Authorised Signatory		
4	Office Address of the Firm / Communication Address:		
5	Phone No/Mobile No:		
6	E-Mail ID:		
7	GST registration Number:		
8	PAN Number:		
9	Firm's Bank Account details	Bank Account No.:	
		Name of the Bank:	
		IFS Code No.:	
		Name of Branch:	
Particular Details of the Bidders Representative			
10	Contact Person: Mobile No:	Name of Person:	
		Designation:	
		Tele/Mobile No:	
		Email ID:	

Authorized Signatory (signature in full):

Name and Title of Signatory:

Company Rubber Stamp:

PAST EXPERIENCE DETAILS

(On Company / Firm's Letter Head)

Sl. No.	Description of Supply/Work	Name & Address of Customer	PO/WO/ /Agreement No. with date	Qty. of Supply / Services provided	Delivery Period	Supporting documents should be attached, such as PO/WO
1.						
2.						
3.						
4.						

Authorized Signatory (signature in full):

Name and Title of Signatory:

Company Rubber Stamp: