

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	20-08-2026 11:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	20-08-2026 11:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Education
विभाग का नाम/Department Name	Department Of Higher Education
संगठन का नाम/Organisation Name	National Institute Of Technology (nit)
कार्यालय का नाम/Office Name	Karnataka, Surathkal, Mangaluru
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :registrar@nitk.edu.in Buyer Email id: buycon504.nitn.ka@gembuyer.in
कुल मात्रा/Total Quantity	3
वस्तु श्रेणी /Item Category	Interactive Panels with CPU (Q2)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	3.75 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	30 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	To be verified by the buyer at the time of technical evaluation
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes Complete

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	40 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
अनुमानित बिड मूल्य / Estimated Bid Value	750000
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	15000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	3.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	62

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

Director, NITK Surathkal
Karnataka, Surathkal, Mangaluru, Department of Higher Education, National Institute of Technology (NIT),
Ministry of Education
(Prof. B Ravi)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50

सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
6. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
7. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product

during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

8. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

9. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

10. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

11. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 40% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

12. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Interactive Panels With CPU (3 pieces)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Bis Required	Yes
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तकनीकी विशिष्टियाँ /Technical Specifications

[* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
DISPLAY	Display Technology	In-Plane Switching (IPS)
	Display Type	Anti-Glare LCD with Edge-lit LED
	Minimum Contrast Ratio	1500 : 1, 1600 : 1, 1700 : 1, 1800 : 1, 1900 : 1, 2000 : 1 Or higher
	Minimum Display Panel Size, Diagonal (in Inches)	75, 86, 98, 100, 105, 110 Or higher
	Minimum Display Resolution (Horizontal x Vertical) (in Pixels)	4K UHD - 3840 x 2160 Or higher
	Display Brightness (in Nits)	500, 550, 600, 800, 1000 Or higher
	Minimum Panel Life (in Hours)	50000 Or higher
TOUCH SCREEN	Touch Interface	Touch Sensitive as well as Pen Driven
	Touch Technology	Infrared (IR)
	Number of Touch Points (in Number)	40 Or higher
	Additional Softwares	Device Management Software
	On Site Warranty Support (in Years)	3 Or higher
CPU	Type of CPU	Inbuilt CPU with Slot Provision for Open pluggable Specification (OPS)
	Number of Cores	8 Or higher
	Memory (in GB)	8, 16 Or higher
	SSD Storage Capacity (in GB)	64 Or higher
	Provision of Slot for Open pluggable Specification (OPS)	Yes
OPTIONAL ITEM	Open pluggable Specification (OPS) included in scope of supply	Yes
	Pre-Install Software (OS) for Open pluggable Specification (OPS)	Windows

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Memory (in GB) for Open pluggable Specification (OPS)	8
PORTS	Number of Input HDMI Ports	3, 4 Or higher
	Number of Output HDMI Ports	1 Or higher
	Number of USB 2 Point 0 Ports	2
	Number of USB 3 Point 0 Ports	2
	Number of RS-232 C Ports	1 Or higher
	Number of Audio Input Ports	1
	Number of Audio Output Ports	1
	Number of RJ 45 ports	1, 2 Or higher
	Number of VGA-In Ports	1
	USB Type C Port	1
	In-built Speakers	Yes
	Mounting	Wall Mount
CONNECTIVITY	Availability of Bluetooth Connectivity	Yes. Inbuilt
	Bluetooth Version	5.2, 5.3 Or higher
	Availability of Wi-Fi Connectivity	Yes. Inbuilt
	Wi-Fi Connectivity	802.11n (2.4 or 5 GHz) Or higher
ACCESSORIES	Number of Electronic Pen or Stylus Each Panel	2 Or higher
	Additional HDMI Cable	1
CERTIFICATE	Availability of Test Reports from Central Govt/NABL Accredited/ILAC Accredited Lab to Prove Conformity to the Specification	Yes

Additional Specification Parameters - Interactive Panels With CPU (3 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
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Specification Parameter Name	Bid Requirement (Allowed Values)
Audio and Touch System:	Audio Amplifier: In-built, amplifier 2.1channeloutput, Audio Speaker: 2X20Wand20W sub-woofer, Sensing Type: Infrared 20 points writing and 40 point touch, Touch Response Time:<4ms (typ), Touch Accuracy: 0.3mm, Touch Coordinates: 32767X32767
Structure and Android CPU module:	Surface Protection : ToughenedglassLevel7MOHSStd., Casing Type: Full aluminum metal Body, Processor: ARMA 73Quad Core+ ARMA 53Quad Core CPU and GPU Mali G52, Memory: 8GB, Flashdrive:128GB
Inbuilt WiFi Access point:	Operating Frequency: 2.4GHz/5GHz, WI-FI standard: 802.11a/b/g/n/ac, Bluetooth: 2.1+EDR/4.2/5.0, Inbuilt NFC authentication: Yes , Standard : ISO/IEC14443A/ISO/IEC14443B , Support card type: MIFAREFeliCa , Read-write distance :<30mm, Read/write speed: 106To424kbps , Read and write latency : <100ms, Inbuilt Biometric finger Recognition : Yes.
Power : Physical specification and Environmental Conditions	Power Requirement :100V-240VAC50/60HZ , Power Consumption : <340W , Dimensions L*H*W: 1709.8X1039.9X87 mm , Net Weight: 56.6kg or less , Operating Voltage: 100V-240VAC50/60HZ, Operating Temperature: minus10to55degree, Operational humidity: 10% to90%
Software:	White board application: "True 4KWhiteboard" giving sharp and natural writing experience, Recording Software: To record session in a video format, Wireless connection with the panel software: To take access or to cast other devices with the panel wirelessly, Software to address the classroom from one desk: To address or to announce something to the students directly from one desk.

* Bidders offering must also comply with the additional specification parameters mentioned above.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Rakesh Kumar	575025,NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL SRINIVASANAGAR	3	30

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Dr. Kiran M, Assistant Professor
Department of Information Technology
National Institute of Technology Karnataka (NITK), Surathkal
P.O. Srinivasnagar – 575025
Email: itpurchase@nitk.edu.in , Ph: +91-824-2473451
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3. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

4. **Warranty**

Warranty period of the supplied products shall be 5 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

5. **Warranty**

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 5 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

- i. The Breakup of BOQ or price Break Up should be uploaded under financial cover only (Financial Document).
- ii. The Self Attested Copy of GST and PAN should be uploaded.
- iii. Declaration of abandoned or suspended any awarded service & Blacklist Certificate.
- iv. The validity of the Performance Security must cover the warranty period plus two months.
- v. **Common IP Addresses:** Bidders may please note that GeM is capturing and showing the IP addresses used by the Buyer and the Bidder(s) /Seller(s). The received bids having matching/common IP address with either Bidder(s)/Seller(s) or Buyer, shall be liable for rejection.

TERMS

- Before processing with technical evaluation, all bidders have to give onsite demo
- All parameters mentioned in ATC, should match
- Net worth of the OEM should be positive

- Bidder have to submit BIS license, ISO 9001:2015, ISO 14001:2015, ISO 45001:2015, ISO 27001:2022, ROHS, CEE, Test report of the product, incorporation certificate, CPCB
- OEM Manufacturing unit should be in India

Successful bidder has to give Onsite training to the faculty

Warranty : 05 years

ATC,

1.	NFC (Near Field Communication)	Lock and unlock the panel securely with NFC tags. Integrated attendance system using NFC tags for seamless tracking.
2.	AI Features	Smart and adaptive features powered by artificial intelligence. Enable syllabus option from different education boards. To create MCQ with the help of AI. Drag Youtube Video (Ad Free) with the help of AI on writing software. Board-Centric and Class-Centric Functionality
3.	Doodle Images on Board	Creative tools for enabling and customizing doodles directly on the board.
4.	Voice-Enabled Features	Hands-free operation using voice commands for ease of use.
5.	Multi-Language White board Application	Support for Regional and international as mandatory languages.
6.	Built-In Dictionary in Whiteboard Application	Quick reference for words and meanings directly on the board.

7.	Advanced White board Features	Multiple Canvas: Create and use multiple canvases within the same session. Endless Canvas: An infinite work space for uninterrupted brain storming. Live Video annotation with multiple screen shorts “Drag and drop” user can customize the menu as per their teaching needs
8.	White board to support Indian languages	support Hindi, Marathi and English many more

9.	Teaching & Learning Enhancement Tools	Preloaded 3D models for interactive learning experiences. Support for 3D dynamic and static images within the whiteboard application. Dedicated subject-specific tools for Mathematics, Chemistry, Biology, and Physics to simplify teaching. Facility to generate Quiz, Q&A, MCQs, Lesson Plans, Chapter Summary, Fill-in-the-Blanks, and True/False questions for any PDF file used on the board. All regional state wise and NCERT books PDF integration within the writing software. Polypad, Geogebra, PHET Simulation offline Quiz, Abacus Eye detection attendance ,AI summary from the lecture created Mind map with AI “Intelligent text recognition” converts any free writing to text at any point of whiteboard session “Intelligent search” search inside the white board in Google, YouTube video or Wikipedia for any text written on whiteboard session Draw shapes with measurement and angles. Dynamically changes the measurement and angles as shapes are resized Insert wirelessly image, video, documents directly to whiteboard sessions from any mobile device
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10.		Voice Recognition with multiple languages AI Enabled Panel (search or generate multiple question along with the answers), Multi finger Gesture Control Text Extraction from Image, Able to insert Ad free YouTube video on the canvas. Dictionary
11.		Lifetime Upgradation free of cost for software.
12.	Content Sharing Capabilities	Share content via WhatsApp, email, and QR codes.
13.	File Saving Formats	Save whiteboard outputs in PDF, DOCX, and PPT formats.
14.	3D Library	Preloaded 3D models for interactive learning experiences.
15.	Subject-Specific Tools	Dedicated tools for Math, Chemistry, Biology, and Physics to simplify teaching.
16.	4K Recording Application	Built-in capability to record screen activity with audio in 4K quality.
17.	Device Connectivity	Seamless connectivity with various devices, including mobile phones, iPhones, and laptops.
18.	Convenient operation experience –	An endless canvas that allows users to add content seamlessly, combined with mobile toolbars and gesture-based controls for easy switching between modes such as pen, select, and erase, provides a highly intuitive and efficient user experience

19.	Various subject scenarios	Different subjects should set with different subject scenarios, like Mathematics, English as well as Sports. Each subject provides different teaching tools, and the user can apply different background themes for teaching according to the current subject
20.		Convenient and practical presentation tools Features such as watermarking, math tools, file transfer, screen zooming, and real-time annotation seamlessly integrate traditional blackboard functionality with modern digital intelligence.
21.	Actual simulation of soft pen	Soft pen function should provide feeling of simulating soft pen, and during writing process, user can present handwriting effect of different degree of thickness according to user's writing speed, to provide users better writing experience
22.	Authorization Mechanism By default	the pre-installed writing software should already registered, and all features should be available for the user to use.
23.		Launch Screen On startup, a launch screen should display with the software version number and updated date. This information can be used to report any issues
24.		User Interface Writing board application should include standard mode and split screen mode. The software opens to enter standard mode by default.
25.		In the User Interface, the Toolbar bar should be displayed by default. Along with the Toolbar, there should be Page and Options Menu in the right and left bottom side respectively. Tool bar contains menu items like Pen, Highlighter, Laser Pen, AI Pen, Eraser, Select, Move, Text, Shapes, Math Tools etc.

26.		Pen customization The Pen customization tool should be adjusting the stroke size, assigning colors, and enabling Two color pen option. One can also assign eraser to the large tip of the stylus.
27.	Highlighter	The User should be able to customize the Highlighter by adjusting the stroke size, assigning colors, and enabling Two color pen option.
28.	Laser Pen	The User should be able to customize the Laser Pen by adjusting the stroke size, assigning colors, and enabling Two color pen option.
29.	AI Pen	The person should be able to Select AI Pen to ask questions to the AI and generate responses from it. To ask AI select AI Pen and write any word or sentence on the canvas.
30.	Eraser	There should be three types of Eraser Options: Eraser, Stroke Eraser and Erase All
31.	Move	User should be able to Navigate and scroll canvas in all directions.
32.	Text recognition:	User handwritten strokes should automatically be converted into text format.
33.	Text Selection:	The interactive display shall allow users to convert existing handwritten content into editable text.
34.	Text Input	Users should be able to click a button to type text directly onto the canvas. A virtual floating keyboard shall be provided for entering text.
35.	Shapes	The software shall provide different built-in 2D and 3D shapes.
36.	Math Tools	The application shall include a variety of mathematical tools, such as rulers, protractors, compasses, and set squares, for drawing lines and accurate geometric shapes.
37.	Fill Color	Users shall be able to apply fill colors to shapes, strokes, and other objects on the canvas. The application shall also allow users to select advanced colors through a color picker.

38.	Multi Canvas	The application shall support four (4) individual canvases within the main canvas. Each multi-canvas shall have its own toolbar with five pen options, eraser, backgrounds, move, save, and share functions. Users shall be able to set different background colors or images for each individual canvas.
39.	Multi Canvas – Save & Share	The application shall allow users to save all multi-canvas pages individually and share them as required.
40.	File Sharing	The application shall allow users to transfer files directly from a mobile phone to the canvas by scanning a QR code .
41.	Table	The application shall allow users to create tables with a customizable number of rows and columns.
42.	Menu	The application menu shall include the following functions: New, Open, Insert, Save, Save As, Background, Resource, Settings, and Exit . It shall also provide access to Help, Update, About, and Contact Us options.
43.	Insert	The application shall allow users to insert images, videos, and PDF files into the canvas.
44.	Save As	The application shall allow users to save the current document in PDF (.pdf) format on the local drive.
45.	Background	The application shall allow users to change the canvas background. It shall provide at least four background categories: Solid Color, Teaching Background, Sports Background, and Custom Background .
46.	Solid Color Background	The application shall allow users to set a solid color as the canvas background. It shall provide multiple predefined color options along with an advanced color palette for custom color selection.
47.	Teaching Background	The application shall provide various teaching backgrounds, including single-line, double-line, four-line, five-line, mathematics, and graph backgrounds.

48.	Sports Background	The application shall provide sports-themed backgrounds, including Basketball, Chess, Cricket, Cricket Pitch, Hockey, Tennis, and Football.
49.	Custom Background	The application shall allow users to set a custom image as the canvas background by selecting an image from local storage.
50.	Resource	The application shall allow users to access saved resources. Users shall be able to save any selected object as a reusable resource and retrieve it when required.
51.	AI Settings	The application shall allow users to download and select AI languages. It shall provide options to configure text font, color, size, and style (Bold/Italic). Users shall be able to enable syllabus mode and select the applicable Board and Class from drop-down menus. The application shall also allow users to add new Boards and Classes.
52.	Watermark	The application shall allow users to add text as a watermark on the canvas. Users shall be able to modify the watermark text, font size, color, opacity, and position.
53.	Mail Settings	The application shall allow users to configure e-mail settings, including SMTP Server, Account, Server Port, and Password.
54.	Voice AI	The application shall support voice recognition. Users shall be able to enable voice recognition and select a minimum of three (3) and a maximum of six (6) languages.
55.	Application Updates	The application shall provide lifetime free software updates.
56.	Zoom In	The application shall allow users to zoom in on the canvas and its contents. The Zoom In option shall be disabled when the maximum zoom level is reached.
57.	Zoom Out	The application shall allow users to zoom out of the canvas and its contents.
58.	Undo	The application shall allow users to undo the previous action.

59.	Redo	The application shall allow users to restore the most recently undone action.
60.	Split Screen	The application shall support splitting the display into two independent sections for simultaneous viewing or working.
61.	AI Lesson Plan	The application shall include an AI-powered Lesson Plan feature that enables users to generate lesson plans for various subjects and topics, supporting teachers and educators.
62.	AI Doodle Images	The application shall enable users to generate AI-based doodle images from hand-drawn sketches or board drawings.
63.	Text Translation	The application shall allow users to translate text into the desired local or supported language.
64.	Text Extraction (OCR)	The application shall allow users to extract editable text from an image using Optical Character Recognition (OCR).
65.	Voice Recognition	The application shall support voice commands through a connected microphone, allowing users to interact with the application using speech.
66.	Dictation	The application shall support speech-to-text dictation, allowing users to convert spoken language into editable text. The feature shall support regional languages available in the Voice AI settings, with users able to select between three (3) and six (6) regional languages.
67.	On-site Demonstration	The bidder shall provide an on-site demonstration of the offered product during the technical evaluation, if required by the purchaser.
68.	Country of Origin	The offered product shall be Made in India, and the manufacturer shall have a manufacturing facility located in India.
69.	In-house Application	The interactive display software application shall be developed and maintained in-house by the Original Equipment Manufacturer (OEM) and shall not be a third-party application.

****Disclaimer:** *** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.*

7. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

8. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

9. **Generic**

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

10. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

11. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

12. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

13. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

14. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

15. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

16. **Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

17. **Generic**

IT equipment shall be IPv6 ready from day one.

18. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

19. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

20. **Generic**

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

21. **Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy, Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

22. **Financial Criteria**

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

23. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

24. **Past Project Experience**

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document

in support of contract execution like Third Party Inspection release note, etc. Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc.

25. Purchase Preference (Centre)

Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar/URC for that product/service category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.

26. Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

27. Past Project Experience

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

28. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

29. Generic

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

30. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.

vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

31. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

अस्वीकरण/**Disclaimer**

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws,

including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and
- All operative provisions of the erstwhile Labour Laws until their complete substitution.

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms

of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, 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 Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---