

**Bid for Implementation of Smart Classrooms in various colleges located within the State of Gujarat on behalf of Commissionerate of Technical Education floated on GeM portal. (Bid no. GEM/2024/B/5703283 dated 17.12.2024)**

**Response to pre-bid queries raised by bidders**

Sr. no.	Terms in the tender	Bidder / Vendor's representation	Response to bidders
<b>Bid Evaluation Criteria:</b>			
1	<b>Bidder Turn over:</b> The Bidder must have average annual turnover of Rs. 12 crores in any three of the last four financial Years (i.e. either 2020-21, 2021-22, 2022-23 or 2021-22, 2022-23, 2023-24). The copies of Audited Annual Accounts/Statutory CA Certificate for last three years shall be uploaded along with the bid	Bidder Turn over: The Bidder must have average annual turnover of Rs. 35 crores in any three of the last four financial Years (i.e. either 2020-21, 2021-22, 2022-23 or 2021-22, 2022-23, 2023-24). Justification: Considering the project value, increasing the turnover requirement ensures financial capability of the bidder.	Suggestion not accepted, as per bid
2		OEM / Bidder either of the participant can participate in the tender to bring more competition to the said bid. We are OEM to few components and System Integrator to few components. This bid is consisting of multiple OEM technologies as bellow: <ul style="list-style-type: none"> <li>• Interactive Panel with CPU OPS PC</li> <li>• Frameless Horizontal Slider Video Conferencing End Point</li> <li>• Electronic Lectern / Digital Podium</li> </ul> Justification : The said bid mainly has multiple OEM's. no single OEM can manufacture or design and thus will not be able to participate. We being registered under MSME and having manufacturing unit in Maharashtra so we can participate either as OEM and Bidder both to bring more competition in the bid. Hence, we are requesting to relax and modify to OEM/bidder must have average annual turnover of Rs. 12 crores in any three of the last four financial Years (i.e. either 2020-21, 2021-22, 2022-23 or 2021-22, 2022-23, 2023-24).	Suggestion not accepted, as per bid
3		Kindly change to OEM / Bidder anyone of the participant can participate in the tender so that more healthy competition. There are different OEM technologies as bellow: <ul style="list-style-type: none"> <li>• Interactive Panel with CPU OPS PC</li> <li>• Frameless Horizontal Slider Video Conferencing End Point</li> <li>• Electronic Lectern / Digital Podium</li> </ul> Clarification : Please allow this change More bidders participation will be good healthier competition And TIA will get Price benefit out of it.	Suggestion not accepted, as per bid
4	Bidder should have capacity & experience for implementation, monitoring & maintenance of 900 Smart / Digital Classrooms in last 5 years (supply of similar hardware component in the bid);	We request the department to kindly clarify the meaning of "supply of similar hardware components in the bid." Our understanding is that this includes the supply & Installation of Projector based classrooms as well.	As per bid

5	The work experience letter from either State / Central Government / PSU or from Private Institution / Company / Organization will be considered. Please submit the copies of purchase orders / completion certificate / customer references for the same	Bidder should have capacity & experience for implementation, monitoring & maintenance of 900 Smart/Digital Classrooms in last 5 years (supply of similar hardware component in the bid); Clarification : We request to include projector based classroom as a part of experience criteria.	As per bid
6		We request you to allow Bidder / OEM should have capacity & experience for implementation, monitoring & maintenance of 900 Smart / Digital Classrooms/ ICT Learning Lab in last 5 years (supply of similar hardware component in the bid)	Suggestion not accepted, as per bid
7		We request to allow ICT learning lab with digital contents G-Shala and digital devices: Large Display, Web Camera, Wireless device/access point should be considered as digital classroom	Suggestion not accepted, as per bid
8		We request that Eligibility should be reduced as up to 350 digital lab/ICT learning lab and related Hardware and peripherals to invite more participation.	Suggestion not accepted, as per bid
9		Bidder should have capacity & experience for implementation, monitoring & maintenance of 1000 Smart / Digital Classrooms in last 5 years in a single order (supply of similar hardware component in the bid); The work experience letter from either State / Central Government / PSU <del>or from Private Institution / Company / Organization</del> will be considered. Please submit the copies of purchase orders / completion certificate / customer references for the same. Justification: Ensures bidders possess proven expertise in large-scale implementations and facilitates thorough validation of past experience.	Suggestion not accepted, as per bid
10		We being MSME registered under MSME, we are requesting to relax the criteria for 900 Smart / Digital Classrooms in last 5 years (supply of similar hardware component in the bid); The work experience letter from either State / Central Government / PSU or from Private Institution / Company / Organization will be considered. We are certified by the Indian state Govt under MSME guidelines for having capacity for the mentioned quantity of 1194 in the said bid. Justification : Being a MSME registered, we a requesting for exemption from prequalification criteria under Govt of India guidelines. We are registered with MSME under Also we can bring more competition to the said bid. We are certified for manufacturing mentioned quantity 1194 in the said bid.	
11		We are MSME and NSIC registered, request you to change to Bidder/ OEM should have capacity & experience for implementation, monitoring & maintenance of 900 Smart / Digital Classrooms in last 5 years (supply of similar hardware component in the bid); The work experience letter from either State / Central Government / PSU or from Private Institution / Company / Organization will be considered. Please submit the copies of purchase orders / completion certificate / customer references for the same Clarification : We are MSME and NSIC registered, request you to give relaxation of this clause. More bidders participation will be good healthier competition And TIA will get Price benefit out of it.	

12		Amendment: Bidder/OEM should have capacity & experience for implementation, monitoring & maintenance of 900 Smart / Digital Classrooms in last 5 years (supply of similar hardware component in the bid); The work experience letter from either State / Central Government / PSU or from Private Institution / Company / Organization will be considered. Justification : The amendment includes OEMs to broaden participation and ensure flexibility in meeting the eligibility criteria.	
13	The OEM(s) of Interactive Panels With CPU ,Video Conferencing End Point ,Electronic Lectern shall have minimum One service center in Gujarat which should be functional. A Self Certified letter by an authorized signatory of OEM mentioning the address & Contact details of service center is required to be submitted.	OEM Authorized Service Centres : Asked for 1 service centre. We request you ask for more service centres from OEM." OEM should have Local Authorized Service centers in all District Level with Toll Free Number. In case not, successful OEM must establish their support center with adequate manpower within 30 days of award of the contract	Suggestion not accepted, as per bid
14	Bidder should quote Interactive Panel from those OEM who have total turnover of Rs.50 crore or more globally during any three financial Years of the last four financial years...	We request you to ask for minimum 600 CR Plus OEM Turnover.The OEM should have an average annual turnover from the respective field of Interactive Display Panel/Smart Display for not less than ₹600 Cr in India during the last 3 financial years ending with 31st March 2023. Documents Required: CA Certificate & Audited Balance Sheet	Suggestion not accepted, as per bid
15		<p>We are requesting you to relax the OEM turnover of Rs. 25 Cr from total turnover of Rs. 50 Cr. No single OEM will have all the components. Every Single OEM will have independent bid value for their proposed bid The bid is consisting of multiple of technology/OEM components.</p> <ul style="list-style-type: none"> <li>• Interactive Panel with CPU OPS PC</li> <li>• Frameless Horizontal Slider Video Conferencing End Point</li> <li>• Electronic Lectern / Digital Podium</li> </ul> <p>. Also we are having MSME registration for which Pre-qualification can be exempted as UDYAM-MH-17-0016558 GoI guidelines.</p> <p>Justification : This bid is consisting of multiple OEM technologies as bellow:</p> <ul style="list-style-type: none"> <li>• Interactive Panel with CPU OPS PC</li> <li>• Frameless Horizontal Slider Video Conferencing End Point</li> <li>• Electronic Lectern / Digital Podium</li> </ul> <p>Every Single OEM will have independent bid value for their proposed bid. More OEMs will get an opportunity to participate more competition will be there in the bid.</p>	

16		As a Gujarat-based local manufacturer and an NSE-listed company, we take immense pride in contributing to the "Make in India" initiative championed by the Government of India. Our strong standing as an NSE listed entity and our commitment to manufacturing excellence underscore our ability to deliver high quality products and services. For the past five years, we have been successfully delivering interactive panels to government projects, further demonstrating our reliability and expertise. Upon careful review of the bid terms and conditions, we have observed that the total bid value does not exceed ₹20 Crore. In light of this, we respectfully request a reconsideration of the OEM of interactive panel turnover requirement around ₹30 to ₹35 Cr in the bid terms & conditions, this clause will encourage broader participation from capable and committed companies, fostering healthy competition and ensuring the delivery of good quality products for the project. Such a revision in terms & conditions would align with the Government's vision to empower local manufacturers and enhance the effectiveness of the "Make in India" initiative.	
17		Bidder should quote Interactive Panel from those OEMs who have total turnover of Rs 500 Crore or more in India during last three financial years. There are more than 6 brands available with 500 cr turnover in India , So Government should give priority to brands making in India.	
18		Bidder should quote Interactive Panel from those OEM who have total turnover of Rs.500 crore or more in India during any three financial Years of the last four financial years. Justification: Local turnover demonstrates OEMs' commitment and capacity within the Indian market, ensuring reliable support and supply.	
19		request to keep OEM turn over minimum above 1000 Cr with experience criteria so that Genuine Participants come during this exercise & suspicious OEM/partner with their local brands do not spoil the overall timeline of bid process & execution.	
20		Manufacturer of Interactive should have minimum turnover of 500 Cr in any of the last 3 financial years in India from Interactive Panel,TV,Display Panels segment (55" Size of above). BL/CA Certify letter required To Ensure to get the capable OEM for timely supply of Material.	
21		Requesting to change it to 24 Crore. bid value for their proposed bid Clarification : Under Make in India Policy GOI is promoting Indian Manufacturers. They are startups and don't have global existence. Please support GOI initiative of MII and consider.	

22	OEM of the quoted interactive panel {themselves or through reseller(s)} should have supplied & installed at least 900 no. s of interactive panel in India during last ten years as on bid issuance date. Please submit the copies of purchase orders / completion certificate / customer references for the same.	Past Experience of OEM, Request you add. OEM should have successfully supplied minimum 12000 units of IFP, of its own brand in last 5 years in India as on date of bid submission Documents Required: a) CA Certificate b) Copy of the Purchase Order / Work Order / Agreement	Suggestion not accepted, as per bid
23		OEM of the quoted interactive panel {themselves or through reseller(s)} should have supplied & installed at least 5000 no. s of interactive panel in India in a single order during last ten years as on bid issuance date. Justification: Demonstrates the OEM's capacity for large-scale deployments	
24		OEM of the quoted Interactive panel ( themselves or through reseller(s)) should have supplied and Installed at least 900 nos. of (85"-86") Interactive panel in India during last ten years as on bid issuance date. Please submit the copies of purchase orders. OEM qualification is appropriate only if experience has been asked for same size Interactive panel in India. As 85"-86" size is mostly required in higher education, which require different integration than a classroom of a primary / secondary school.	Suggestion not accepted, as per bid
25	-	Eligibility Criteria for OEM : ISO Certificates. We request you to ask. OEM should have valid certificates ISO 9001, ISO/IEC 20000, ISO 14001, 45001 Certification, E waste Certificate & EPR	Suggestion not accepted, as per bid
26	-	Manufacturer should have R&D, Quality Control & Factory setup in India to provide timely updates with.ISO9001,ISO14001,ISO45001 certificates To Ensure to get the Make in India Good Quality Product from the Established OEM.	Suggestion not accepted, as per bid
27	-	Eligibility Criteria for OEM : Local Office with Manpower Please add.IFP OEM Should have local branch office with at least 10 Manpower on their Payroll	Suggestion not accepted, as per bid
28	-	To be added : OEM must have a Presence in Gujarat from last 10 years. Gujarat Government should give emphasis to OEMs available in Gujarat from last 10 years or more, Presence of OEM will provide commitment towards state and after sales services	
29		Manufacturer of Interactive Panel should have owned functional one Local Service Branch in Gujrat from last 5 years with Shop license and GSTN copy as proof with Skilled manpower, with toll free Number for Call logging & active service centers in 50% district of Gujrat with active agreement from last 6months as a proof. Copy of Shop License & GST certificate for Service Branch and Service agreement copy for Service centers. To Ensure to get the timely after sales service from the OEM.	
30	-	Manufacturer should have their own name registered office in Gujrat from last 3 years for onsite support.Shop license, GSTN certificate required as proof. To Ensure to get the timely on site support as you have asked 5 yrs on site warranty.	

31	-	To be added At least 33 Service centers in 33 districts of Gujarat For ensuring hassle free teaching, service centers must be present in complete Gujarat Area	
32	-	Eligibility Criteria for OEM : Manufacturing Please add. OEM IFPD Product must be Manufactured in India	Suggestion not accepted, as per bid
33	-	Manufacturer of Interactive Panel should have their own manufacturing plant in India from last 5Yrs and Same address should be on the Quoted Interactive Panel Model BIS Certificate. Factory License, Proof that 5Yr Old factory in India and BIS Certificate To Ensure to get the Make in India Good Quality Product and service support during warranty period from the Established OEM.	Suggestion not accepted, as per bid
34	• Consortium is not allowed.	We request that the tender conditions be amended to allow for at least two or three consortiums to participate in the bid. We believe this change will offer more options for the successful execution of the project.	Suggestion not accepted, as per bid
<b>Terms and conditions</b>			
35	• Delivery & Installation: Within 60 Calendar days from the date of purchase order.	We request that the supply and installation timeline be extended from 60 days to 90 days. This adjustment would ensure ample time to complete all necessary preparations and facilitate a smooth installation process, especially considering potential logistical challenges.	Suggestion not accepted, as per bid
36		Within 90 working days from the date of purchase order. Justification: Allows for smoother execution and reduces delivery risks.	
37	<b>• Operational/Warranty period Penalty:</b>  • During warranty period, if the complaint is not resolved within 48 hrs the penalty of Rs. 500 per day for Panel, VC end point, Electronic Lectern will be levied. However, if the complaints not resolved within 7 days then from 8th day to 14th day, penalty would be levied @ 150% and from 15th day onwards penalty @ 200% of the above rates would be levied. The amount of penalty will be recovered from the Performance bank guarantee during warranty period.	Kindly change it to 3-4 days time Clarification : Due to critical situation in European countries. There is huge shortage of semiconductors. Request you to allow this change	Suggestion not accepted, as per bid
38		We are requesting to change it 48 hrs to 96 hrs  Justification : Due to some critical spare parts availability and time to commute, we are requesting to modify to 48 hrs to 96 hrs, though we will be opening support local office in order to extend our best possible support and services to Govt of Gujarat.	

Interactive Panel With CPU			
39	• Display Type : Any Value ( Anti-Glare LCD with Direct-lit LED / Anti-Glare LCD with Edge-lit LED)	we would like to suggest Edge LIT Display type is the oldest technology it can be mentioned as UHD for the latest technology.	As per bid
40		Direct-Lit LED  DLED is industry Standard, and used by most of the good IFPs Edge Led is cheaper option, and OEM with Low quality product will position their product,	
41	• Minimum Contrast Ratio : 1000:1	A 1200:1 ratio is slightly better than a 1000:1 ratio, meaning that a display with a 1200:1 contrast ratio can produce a slightly larger difference between the brightest white and darkest black, resulting in potentially more detailed and richer visuals, especially in dark scenes, where the deeper blacks will be more noticeable;	Suggestion not accepted, as per bid
42	• Display Brightness (in Nits) : 350	Request you to ask for Minimum 450 Nits Brightness in Interactive display for better viewing in large display.  Bigger display requires more brightness for better data clarity. All major brands in the market are having 450 Nits panel in 86 Inch.	Suggestion not accepted, as per bid
43	• Touch Technology : Infrared (IR) • Touch Technology : Infrared (IR) (In built Touch facility)	For better accuracy we would like suggest you to mention OPTICAL or better Touch Technology	Suggestion not accepted, as per bid
44		OPTICAL + IR For better accuracy we would like suggest you to mention OPTICAL or better Touch Technology	
45	• Number of Cores : 4	For better processing it can be mentioned as Number of cores- Minimum 8 or better	Suggestion not accepted, as per bid
46		Octa Core (min 8 Core) shd be asked  For better processing & Future ready	
47	• Memory (in GB) : 4 • SSD Storage Capacity (in GB) : 32	Mentioned tender specs are out dated/End of the life specs, recommended to use the latest updated model with RAM: 8GB, and Storage: 64GB. This will ensure to compatible/smooth use with the technical education syllabus/data.	Please see corrigendum
48		Smart board storage can be 8/128 GB	
49		Min 8GB - Memory and 128 GB Storage  More memory gives better performance for running multiple apps	
50	• SSD Storage Capacity (in GB) : 32	Request you to increase inbuilt memory of display with 128 GB.  86 Inch Interactive display comes with higher memory so more data can be stored.	
51	• Bluetooth Version : 5.0	Bluetooth 5.2 is considered better than 5.0 because it offers improved power efficiency, better stability in crowded environments, enhanced audio capabilities, and more advanced features like "Channel Classification Enhancement" which helps reduce interference and improve data transmission,	Suggestion not accepted, as per bid

52	<ul style="list-style-type: none"> <li>• Wi-Fi Connectivity: 802.11g (2.4 GHz)/ 802.11n (2.4 or 5 GHz)</li> </ul>	Wi-Fi 6 is considered better than standard Wi-Fi , because it offers significantly faster speeds, improved efficiency in handling multiple devices simultaneously, better battery life for connected devices, and enhanced performance in crowded network environments	Suggestion not accepted, as per bid
53	<ul style="list-style-type: none"> <li>• 2 In-built audible speakers (10Wx2 or higher)</li> </ul>	Mentioned speaker wattage of 20W will not be sufficient for the 86" Panel size, recommended to have minimum 15WX2 speakers for 86" Interactive panel.	Please see corrigendum
54		To cover large classroom 2 inbuilt speaker of 20Wx2 or higher.	
55		20W x 2Min requirement for large lecture halls.	
56		Kindly request to keep at least 20WX2 , 20W speaker is generally considered better than a 10W speaker because it can produce a louder volume with less distortion due to its ability to handle more power	
57	<ul style="list-style-type: none"> <li>• Pre-Install Software (OS) : Bidder will supply IFP offered in the bid with latest OS i.e. Android 11.0 or their own latest OS developed. Bidder to submit OEM undertaking/ declaration for the same</li> </ul>	Mentioned tender specs are End of the life product specs, recommended to use the latest updated model with Android 13 with Google EDLA certified version. Google EDLA benefits 1)official access to the Google play store 2)Seamless integration with Google tools 3) Better device security which is an issue in most of the Chinese products	Please see corrigendum
58		To enhance the classroom with latest OS Android 14.0 or latest	
59		Android 14 To enhance the classroom with latest OS Android 14.0 or latest	
60		Android 14.0 with GMS / EDLA certified Android 14.0 with Google Mobile Service (GMS) / EDLA Certified because as per Specification of IFP Point No.42 & 43 asking for Built-in Play Store to download the applications. Certified Play Store allows to install authentic applications only and prevents from Downloading potentially harmful apps and proactively scan for malware. With Certified Google Play Store all the apps can be upgraded near future on the real time basis. To avoid using the Google Play Store from Open Source GMS/EDLA Certification is must.	
61		Android 14 is generally considered better than a self-developed OS because it offers a wider range of features, robust security updates, extensive app compatibility, seamless integration with Google services, and a large developer community constantly improving the platform , Self developed OS will be difficult during future upgradation and it is as similar as android 9.0 so kindly do not consider self-developed OS and request to go with Android 14 which is latest version and every OEM's Is having the same platform now a days which is over all cost effective platform for users.	
62	<ul style="list-style-type: none"> <li>• OPS PC : Intel core i5, 521GB SSD, 2TB HDD, USB port : 5, Audio in/out, Rs 45 : 1, VGA/HDMI : 1</li> </ul>	OPS with i5 processor 512 gb ssd rather 521 . 2tb is available is old form factor we request you to kindly consider our request and amend the same	Please see corrigendum
63		OPS with i5 processor 1TB ssd HDD is slower, and 2 Slot are not available in latest slim form factor OPS.	



64	<ul style="list-style-type: none"> <li>• Appropriate Frameless horizontal slider with essential locking facility for interactive panel</li> </ul>	<p>Request to remove this. Justification: The specification may not align with standard configurations and usability.</p>	Please see corrigendum
65		Please define the requirement properly with photo for better understanding of the requirement.	
66	<ul style="list-style-type: none"> <li>• Inbuilt/ any 3rd party Interactive software to be preloaded in panel having following features: o Support Windows OS platform ...</li> </ul>	<p>Inbuilt/ any 3rd party Interactive software to be preloaded in panel having following features: Support Windows/Android OS platform. Interactive software running over Android OS can support Android</p>	Please see corrigendum
67	-	<p>Request to add Inbuilt Camera with Microphone in Interactive display All Major Brands are offering 86 inch interactive display with Inbuilt Camera &amp; Microphone so we request you to add the same. You can use the same for various other virtual VC / Class requirements</p>	Suggestion not accepted, as per bid
68	-	<p>To be added : Google EDLA certificate Available with all major OEMs, Google Enterprise Device License agreement will provide genuine play store for downloading any application, Devices covered under EDLA will get regular updates , Google EDLA ensures that the devices adhere to Google's security standards, Google's suite of productivity tools, including Docs, Sheets, Slides, and more, can be integrated seamlessly,</p>	Please see corrigendum
69	-	<p>To be added Certificates- UL UL is electronic safety certificates and provide high standard for safety of electronic product.</p>	Suggestion not accepted, as per bid
70	-	<p>To be add for Smart classroomBuilt in software for teaching must have same UI/UX for Android and windows OS Based content Creation Tool IT Must have integrated teaching assistant who can help with following function • Lesson Plan Generator as per Guidelines. • Document Summariser: Summarise, any online video, document, and image. • Quiz Generator: Generate Quiz to any relevant tool, • Image Generator: Generate Image using any text as description or draw a rough sketch to generate. • Solve mathematics Equation and Explain all the steps to solve. • Chemical Equation solver and explain. &gt;•Biometric chip on panel for secure on device locking using finger print. AI Features on Hardware: o Panel should be capable of doing AI based Image processing on device, like human recognition, pose, gesture detection. o GPU must have capability for processing local GPT AI on deviceo GPT on edge: Special GPT LLM model should be capable to perform certain AI task on device without need to connect on internet. • Circle to search, draw a quick circle on any part of image to generate key concepts related to that part of image. • Based Chat with Document. gives, a detailed insights, Summary, Quiz, and explanation on any topic</p>	Suggestion not accepted, as per bid

71		<p>to be add for Smart classroom</p> <p>Built in software for teaching must have same UI/UX for Android and windows OS</p> <p>Based content Creation Tool IT Must have integrated teaching assistant who can help with following function</p> <ul style="list-style-type: none"> <li>• Lesson Plan Generator as per Guidelines.</li> <li>• Document Summariser: Summarise, any online video, document, and image.</li> <li>• Quiz Generator: Generate Quiz to any relevant took,</li> <li>• Image Generator: Generate Image using any text as description or draw a rough sketch to generate.</li> <li>• Solve mathematics Equation and Explain all the steps to solve.</li> <li>• Chemical Equation solver and explain.</li> </ul> <p>Circle to search, draw a quick circle on any part of image to generate key concepts related to that part of image.</p> <ul style="list-style-type: none"> <li>• Based Chat with Document. gives, a detailed insights, Summary, Quiz, and explanation on any topi</li> </ul>	Suggestion not accepted, as per bid
72	-	<p>To conduct Virtual classes</p> <p>Hybrid Class &amp; Remote Class: Live Virtual Teaching using Audio &amp; Video, integrated inside whiteboard, Conduct live chat, polling during live class. Take Student attendance for remote &amp; in class students., Teacher can Control, enable &amp; disable Audio and video of remote students, Live Multi Student Collaboration with Live cursor tracking, Teacher Can manage &amp; control Writing permissions for students in same whiteboard software</p>	Suggestion not accepted, as per bid
73	-	<p>Security features</p> <p>Biometric Sensor must be there on panel for secure on device locking using finger print.</p>	Suggestion not accepted, as per bid
74		<p>in built any 3rd party software having following features</p> <p>the built-in software must have option for Hybrid Class &amp; Remote Class:</p> <p>Live Virtual Teaching using Audio &amp; Video, integrated inside whiteboard, Conduct live chat, polling during live class. Take Student attendance for remote &amp; in class students., Teacher can Control, enable &amp; disable Audio and video of remote students, Live Multi Student Collaboration with Live cursor tracking, Teacher Can manage &amp; control Writing permissions for students in same whiteboard software</p> <ul style="list-style-type: none"> <li>• Remote Classroom monitoring: Principal/ Admin can monitor class remotely from anywhere, generate key insights &amp; report on classroom behaviour, and remotely check what teacher is teaching, without any interference required from teacher.</li> <li>• Intelligent Voice Notes: Transcript lecture notes, Lecture Summariser, and key insights from Lecture.</li> </ul>	Suggestion not accepted, as per bid

75		<p>Additional Specifications</p> <p>Add Following Feature of CPU and GPU Capabilities</p> <p>1. Panel should be capable of doing AI based Image processing on device, like human recognition, pose, gesture detection.</p> <p>2. GPU must have capability for processing local GPT AI on device</p> <p>3. GPT on edge: Special GPT LLM model should be capable to perform certain AI task on device without need to connect on internet.</p> <p>this is important for Running Ai Features in offline mode</p>	Suggestion not accepted, as per bid
<b>Video Conferencing End Point</b>			
76	Video Conferencing End Point ( 230 pieces )	Video Conferencing Camera / Web Camera (V2)(Q2) Request you to change the category or make it optional for us to bid via other category, offline. Same devices nowadays are available in Videoconferencing camera/ web camera also for Software based VC which don't require codec hence Endpoint is not required.	Suggestion not accepted, as per bid
77	• Digital zoom : 5X	Optical Zoom : 10X or more Proposing better zoom in optical technology, it will ensure that participants can be seen clearly even with longer distance without any degradation in picture quality	Suggestion not accepted, as per bid
78	• Camera Positioning System : Automatic Voice Activated	3.Camera Positioning System : Automatic Voice Activated/ Software auto framing Request you to accept equivalent i.e. Software based Auto framing to capture all the students in the classroom	Please see corrigendum
79		We request the department to accept an equivalent solution, i.e., Software-based auto-framing to capture all students in the classroom, in place of the automatic voice-activated positioning system.	
80	• Shall come with easy to use infra-red hand held remote control :: Touch Panel with operating distance : Yes	Shall come with easy to use infra-red/Bluetooth hand held remote control or Touch Panel with operating distance : Yes If no remote Request you to accept Bluetooth as it does not require the line of site for operation i.e. moving the camera anywhere from the classroom. request to make the touch panel optional or delete the same	Please see corrigendum
81		We request that the requirement be modified to accept either an infra-red/Bluetooth hand-held remote control or a Touch Panel with an operating distance, in case no remote is provided.	
82		Shall come with easy to use infra-red hand held remote control /Touch Panel Kindly change the clause, as given statement doesn't clearly mentioned whether remote or touch panel is required	

83	• Camera with voice tracking system up to 121 Degrees	Additional Specifications: * Camera with voice tracking system up to 120 Degrees Industry standard for all leading OEM for FoV is 120 degree hence request to consider the request or make it Mechanical PTZ with total coverage of 150 degree	Please see corrigendum
84		We have contacted multiple OEMs and found that the Video Conferencing End Point specification seems locked to a specific OEM. The industry standard for all leading OEMs for FoV is 120 degrees. We request that this be revised, or that a Mechanical PTZ camera with a total coverage of 150 degrees be accepted. This would allow for fair participation and ensure competitive pricing	
85		Camera with voice tracking system up to 115 Degrees or more Kindly change the same to allow us for participation, proposed FOV will be sufficient for capturing intended room with participants	
86	-	End Point must support integration with audio system of DSP Kindly add this clause to ensure that endpoint device can be integrated with asked digital podium's audio system	Suggestion not accepted, as per bid
<b>Electronic Lectern</b>			
87	• Amplifier : Available	Amplifier : 100W or more with echo cancellation based DSP Kindly change the same, proposed Amplifier power will ensure audio out through speaker in class room can be heard clearly with built in echo cancellation based DSP to process and enhance audio signal.	Suggestion not accepted, as per bid
88	• Wireless Mic : 1	Wireless Mic : 1xHandheld, 1xHeadband Kindly change the same as 1 Handheld mic can be used by student for asking question and further 1 headband can be used by teacher to send the audio to far-end as well as in classroom	Please see corrigendum
89	• Speaker 50 watts	Speaker 2x 50 watts Kindly change " 2 nos. of 50w speaker will ensure proper audio out in classroom	Suggestion not accepted, as per bid
90	MII Purchase Preference : No	Make in India - Yes As per GOI guidelines, We Request you to make MII mandatory as Required product is available in Make in India with all leading OEMs	Suggestion not accepted, as per bid
91	-	Make in India Product: Our Interactive Displays are proudly manufactured in India, supporting the government's 'Make in India' initiative. These panels are designed to enhance classroom learning with advanced features such as UHD resolution, 40 touch points, and Android 14 OS.	

92	-	Requesting a detailed scope of work and solution architecture. Justification: Clarification ensures precise implementation and better alignment with project goals.	The said panels are to be installed in different technical institutes across the Gujarat State. The class room size and environment may differ, so the bidder may do sample site survey for better understanding of scope of work.
93	-	Please confirm connectivity and integration finalized for the asked products in the tender along with standard schematics/device placement.	
94	-	In technical specification 2 PCs are asked i.e. OPS with Interactive display and PC with podium how 2 PC's will be used in 1 classroom and for what purpose?	As per bid
95	-	IP/SIP calling Codec is asked, what medium is going to be used for calling? is there any existing MCU available for IP/SIP calling for 200+ locations?	As per bid

### Corrigendum dated 18.01.2025

Sr. no.	Existing Specification	Revised Specification
<b>Interactive Panel With CPU:</b>		
1	<ul style="list-style-type: none"> <li>Memory (in GB) : 4</li> <li>SSD Storage Capacity (in GB) : 32</li> </ul>	<ul style="list-style-type: none"> <li>Memory (in GB) : <b>8</b></li> <li>SSD Storage Capacity (in GB) : <b>128</b></li> </ul>
2	<ul style="list-style-type: none"> <li>2 In-built audible speakers (10Wx2 or higher)</li> </ul>	<ul style="list-style-type: none"> <li>2 In-built audible speakers (<b>20W</b>x2 or higher)</li> </ul>
3	<ul style="list-style-type: none"> <li>Pre-Install Software (OS) : Bidder will supply IFP offered in the bid with latest OS i.e. Android 11.0 or their own latest OS developed. Bidder to submit OEM undertaking/ declaration for the same</li> </ul>	<ul style="list-style-type: none"> <li>Pre-Install Software (OS) : Bidder will supply IFP offered in the bid with latest OS i.e. <b>Android 13.0</b> or their own latest OS developed. Bidder to submit OEM undertaking/ declaration for the same</li> </ul>
4	<ul style="list-style-type: none"> <li>OPS PC : Intel core i5, 521GB SSD, 2TB HDD, USB port : 5, Audio in/out, Rs 45 : 1, VGA/HDMI : 1</li> </ul>	<ul style="list-style-type: none"> <li>OPS PC : Intel core i5, <b>1TB SSD, 2TB HDD</b>, USB port : 5, Audio in/out, Rs 45 : 1, VGA/HDMI : 1</li> </ul>
5	<ul style="list-style-type: none"> <li>Appropriate Frameless horizontal slider with essential locking facility for interactive panel</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Frameless horizontal slider with essential locking facility for interactive panel</li> </ul> <p><b>Sliding shutter system mechanism should cover the said interactive flat panel size. The shutter system should be customised with magnetic white board (used for writing/teaching purpose) along with lock for safety. Frame material : Powder coated aluminium anodised or better</b></p>
6	<ul style="list-style-type: none"> <li>Inbuilt/ any 3rd party Interactive software to be preloaded in panel having following features: <ul style="list-style-type: none"> <li>o Support Windows OS platform ...</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Inbuilt/ any 3rd party Interactive software to be preloaded in panel having following features: <ul style="list-style-type: none"> <li>o Support Windows/<b>Android</b> OS platform ...</li> </ul> </li> </ul>
7	-	<p><b>Additional specification:</b></p> <p><b>Google EDLA certificate</b></p>

Video Conferencing End Point		
8	• Camera Positioning System : Automatic Voice Activated	• Camera Positioning System : Automatic Voice Activated / <b>Software auto framing</b>
9	• Shall come with easy to use infra-red hand held remote control :: Touch Panel with operating distance : Yes	• Shall come with easy to use infra-red / <b>Bluetooth</b> hand held remote control <b>OR</b> Touch Panel with operating distance : Yes
10	• Camera with voice tracking system up to 121 Degrees	• Camera with voice tracking system up to <b>115</b> Degrees
Electronic Lectern		
11	• Wireless Mic : 1	• Wireless Mic : <b>1xHandheld, 1xHeadband</b>

**All other criteria are as per bid.**