

Bid Document

Bid Details	
Bid End Date/Time	11-01-2022 21:00:00
Bid Opening Date/Time	11-01-2022 21:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Gujarat
Department Name	Education Department Gujarat
Organisation Name	Knowledge Consortium Of Gujarat (kcg)
Office Name	Gujarat
Total Quantity	8150
Item Category	PA Speaker (Q3) , PA Mixer (Q3) , Microphone (Q3) , Networking/Server Rack (Q3) , CAT 6 Cable for Indoor use (Q3) , POE Networking (Q3) , interactive panels and accessories (Q3) , media control systems or wireless presentation system (Q3) , Switcher (Q2) , Video Conferencing Camera (Q2) , Audio Video Cable (Q3)
Minimum Average Annual Turnover of the Bidder	150 Lakh (s)
OEM Average Turnover (Last 3 Years)	1500 Lakh (s)
Years of Past Experience required	3 Year (s)
MSE Exemption for Years Of Experience and Turnover	Yes
Startup Exemption for Years Of Experience and Turnover	Yes
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),Additional Doc 2 (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
Past Performance	20 %
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Primary product category	interactive panels and accessories
Time allowed for Technical Clarifications during technical evaluation	2 Days

Bid Details**Evaluation Method**

Total value wise evaluation

EMD Detail

Advisory Bank	HDFC Bank
EMD Percentage(%)	1.00
EMD Amount	498426

ePBG Detail

Advisory Bank	HDFC Bank
ePBG Percentage(%)	5.00
Duration of ePBG required (Months).	38

(a). 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). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Knowledge Consortium of Gujarat
Knowledge Consortium of Gujarat (KCG) , Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat
(Knowledge Consortium Of Gujarat)

Splitting

Bid splitting not applied.

MSE Purchase Preference

MSE Purchase Preference	No
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MII Purchase Preference

MII Purchase Preference	No
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. 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.

4. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts 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.

5. 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.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 20% 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 / Public Listed Company. 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.

7. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

PA Speaker (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	Speaker Type	Main Speaker
	Amplification Method	Powered Speaker
	Configuration	Two Way
	Number of Speakers	2
	Warranty (Years)	1, 2, 3, 4, 5 Or higher

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015,Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

PA Mixer (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type	Powered
	Number of Channels	6
	Warranty (Year)	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015,Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Microphone (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type	Wireless
	Form Factor	Collar (Lapel)
	If Wireless, Operating Range	30.0 Or higher
	Polar Pattern / Directionality	Omni Directional
	Frequency Response (Hz)	20-20,000 Hz
	Equivalent Noise Level (dBa)	22
	Operating Temperature Range (Degree C)	0cto40c
	Warranty (Years)	2

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Networking/Server Rack (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	Type of Server Racks	Rack Enclosures
	Size of Server Rack Enclosure	24U
	Warranty (Years)	5

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

CAT 6 Cable For Indoor Use (7625 meter)

Brand Type	Registered Brand
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Technical Specifications* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Cable category: Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshielded twisted pair or Category 6 Shielded /Foiled Twisted Pair	CAT6 U/UTP
	Cable colour	Grey
	Conductor diameter	0.57 mm (23 AWG)
	Length of cable in a bundle (Mtrs)	305 mtrs.
CONSTRUCTIONAL	Cable jacket material	Fire retardant PVC
CERTIFICATIONS	UL Marking on Cable	Yes

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	7625	90

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days

POE Networking (25 pieces)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Interactive Panels And Accessories (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Display Type	LCD
	Display Panel Diagonal size (mm)	1905
	Width of The Effective Display Area of The Panel (mm)	1709
	Height of The Effective Display Area of The Panel (mm)	1020

Specification	Specification Name	Bid Requirement (Allowed Values)
	Backlight Technology	LED
	Display Resolution (Pixels)	3840X2160
	Display Brightness (Nits)	350
	Touch interface	Touch sensitive as well as pen driven
	Touch Technology	Infrared optical
	Number of touch points (Number)	10
	Response time (milli seconds)	8
	Provision of in built speakers	Yes
	On Site OEM Warranty (Year)	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Media Control Systems Or Wireless Presentation System (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Output Resolution (Pixel x Pixel)	2160p
	Frame Rate (fps)	60
	Data Transfer Rate (Mbps)	1000.0 Or higher
	Wireless Range (Maximum) (meters)	60.0 - 999.0 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	On Site OEM Warranty (Years)	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Switcher (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
TYPE	Type of Switcher	Fixed
	Type of Switching	Basic
INPUT	Number of Inputs	1.0 Or higher
	Type of Inputs	HDMI
	Input Resolution	4K Or higher
OUTPUT	Number of Outputs	1.0 - 128.0 Or higher
	Type of Outputs	HD Base T / Receiver Input
	Output Resolution	4K Or higher
OPTIONS	Option for Built-in Control Processor	No
	Option for Built-in Amplifier	No
WARRANTY	On Site OEM Warranty	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015,Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Video Conferencing Camera (25 pieces)

Brand Type	Registered Brand
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Technical Specifications* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Camera	PTZ Or higher
	Resolution	1080p, 60fps, 4K, 30fps, 4K, 60fps Or higher
	Zoom Range Optical	10X, 12X, 20X, 22X, 30X Or higher
	Zoom Range Digital	8X, 10X, 12X Or higher
	Camera Positioning System	Automatic Voice-activated, Face Detection, Preset, Manual Or higher
	Input/Output Port	HDMI, DVI, USB 3.0, USB 2.0
	On Site OEM Warranty (Year)	3, 5 Or higher

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015,Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Media Control Systems Or Wireless Presentation System (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Output Resolution (Pixel x Pixel)	1080p
	Frame Rate (fps)	60
	Data Transfer Rate (Mbps)	1000.0 Or higher
	Wireless Range (Maximum) (meters)	60.0 - 999.0 Or higher
	On Site OEM Warranty (Years)	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Audio Video Cable (250 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	250	90

Microphone (25 pieces)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type	Wireless
	Form Factor	Handheld
	If Wireless, Operating Range	30.0 Or higher
	Polar Pattern / Directionality	Cardioid
	Frequency Response (Hz)	20-20,000 Hz
	Equivalent Noise Level (dBa)	22
	Operating Temperature Range (Degree C)	0cto40c
	Warranty (Years)	2

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dave Darshini Chirag Bhai	380015, Knowledge Consortium of Gujarat Pragna Puram Campus, Opposite PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad, Gujarat 380015	25	90

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	Scope of work View	Additional Scope of work - Applicable for all Items	Interactive Panels And Accessories(25)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Terms and Conditions

1. 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.

2. 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.

3. Service & Support

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

4. Service & Support

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

5. 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.

6. 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.

7. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of knowledge consortium of Gujarat payable at Ahmedabad.

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

8. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Pre-bid meeting date & Time: 30/12/2021, 10:30 AM.

Venue: Knowledge Consortium of Gujarat - Pragna Puram Campus, Opp. PRL, Between Govt. Girls Polytechnic and L.D College of Engineering, Navrangpura, Ahmedabad-380015

Clarification regarding this Bid: Bidders can seek written clarifications before pre-bid meeting by email to KCG on info-kcg@gujarat.gov.in

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. 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 within 4 days of bid publication on GeM. 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.

[This Bid is also governed by the General Terms and Conditions](#)

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.

---Thank You---

Scope of work

The requirement consists of setting up of a smart Classroom Solution with Interactive Display with OPS and Audio Video Solution. Smart Classroom should be designed with user friendly & latest technology.

The project is to be implemented on a turnkey Basic in 25 classes of selected Collages across the Gujarat State as per given list below. The Successful Bidder's responsibility includes Supply Installation Hardware, Software and other Allied Accessories in the collages as per following details.

- Bidder has to execute installation for Interactive Display and Audio Video Solution including all require BOQ as per tender with warranty period of 3 years from the date of successful completion of FAT.
- Bidder should quote Interactive Panel from those OEM who have total turnover of Rs. 1000 Crore or more globally during last 3 financial years.
- The solution should be Design with Latest Audio Video technology. Bidder has to Consider Display with web OS, Multi touch and Multi Writing, Intel Core i5 2 Core 2.5 Ghz, 8 GB RAM DDR4, 256 GB SSD, Win 10 pro with require Lan Port, Rs 232, USB 3.0,4096X2160 Resolution Support, Display must have Whiteboard Software, Layout Menu, IR technology, 20 Multitouch or Higher, Any touch with finger or Pointer, factory Calibrated, 4 mm or more thickness and anti-glare.
- Interactive Panel should have Inbuilt/ any 3rd party Interactive software preloaded in panel with following features:
 - Support Windows OS platform
 - Should Support multi touch & multi writing
 - Should support Gesture Recognition like zoom, pan, tilt, flicks etc.
 - Native handwriting recognition of English (preferable)
 - Support shape recognition and text recognition features including for all alphabets, numerals (preferable)
 - Should capable to annotate on any 3rd party applications
 - Should have recording feature
 - Capability of taking Snapshot from running video
 - One should be able to write with finger. Finger touch should be enabled
 - Real time interaction and writing speed without any time lag
 - Should have features like wireless Screen sharing, Screen Casting / Mirroring etc & allow on screen annotation
- Audio Video and content sharing media control system will be used for student/ faculty where any one can connect to wireless media control solution without wire from any wireless media device for sharing media control audio video data. Media control device will allow users with laptops or mobile to connect and share audio video data. 4K@60 HDMI (4:4:4) wired Input to connect source with HDMI directly. Min. 1 HDMI & 1 Display Port outputs is required. Audio de-embedding feature with 1 analog audio line out on a 3.5mm jack. Media control system support min. 200 user devices or more. Should present minimum 5 or more user laptops or handheld devices on a single display or 10 or more users on displays at a time. Inbuilt/external Wi-Fi, user

authentication, 1024-bit encryption, dynamic room code. Product having CE, ISO 9001, ISO 14001 certifications.

- Streaming solution will be broadcast live lecture with PTZ Camera in colleges. Streaming solution must have following feature.
 - Recording, streaming & webcasting simultaneously
 - Built-in 4 Inputs (HDMI /IP/3G-SDI/DVI) HDMI Out, can record up to any three inputs simultaneously in a single frame and as well as individual sources simultaneously.
 - Should have minimum 1TB inbuilt storage and should be able to support minimum 3 unicast streams.
- Interface Console Panel Port have VGA port, HDMI Port, Audio port, 4 USB Ports, Power Outlet. It should come with integrated button pad controller to switch between HDMI, VGA and USB Ports. It shall have HD video inputs for CPU, 2x Laptop Inputs, Visualizers or more.
- AV controller and Switching must have high performance rack-mountable 4K@60Hz 4:4:4 HDR HDMI HDCP-compliant signals to 18G 4K@60Hz 4:4:4 HDR HDMI HDCP-compliant outputs at up to 18G data rate. HDCP Compliance 2.2 or better Supporting HDR10. Individual EDID management per input. De-embeds the audio signal and outputs it as balanced analog audio with separate volume control on each of the outputs and S/PDIF digital audio. IR Input Selection for Easy Maintenance and Firmware Upgrade trouble shooting etc.
- Media Control keypad having 11 or more RGB-color, backlit buttons with built in control processor in-built with 3 RS-232, 2 IR, 2 I/O & 4 relay ports. It should have minimum 1 USB connector for programming.
- VC Camera: -Full HD PTZ Camera supporting 1080p at 60 Frames per Second, minimum 12X Optical Zoom, min 100 Presets, USB 3.0 & HDMI Out, RS232/422 Controls, -100° ~ +100° Panning angle, -30° ~ +30° Tilting angle, Minimum FoV 72 deg. OEM should be BIS, CE, RoHS & FCC Certified
- Audio Solution Must have duplex echo cancelling – no attenuation during full-duplex, Digital sound processor (DSP) should have sufficient ports to perform the acoustic echo cancellation for all the microphones, DSP Should have dual capability of local sound reinforcement and far end audio to be sent for video conferencing at the same time without any noise and echo. Whatever teacher or student speaks through Collar or handheld microphone and gooseneck microphone all should be going to far end Location over video conference and should come out of speakers for local sound reinforcement so that everyone present in class can also hear clearly. The DSP should have USB port for integrating with Unified Software solutions like Skype, Lync, etc.
- Bidder has to consider lapel and handheld mic wideband FM, switching bandwidth up to 24 MHz Frequencies 8 frequency banks, each with up to 12 factory-preset channels. Signal-to-noise ratio ≥ 103 dBA, THD $\leq 0.9\%$.
- Bidder has to provide A4 USB digital writing pad using normal paper and Pen with standard Ball Point Refill., compatible with all leading Video conference platforms like Zoom, Google Meet, MS Team etc. which allows through share screen option, Plug & Play USB interface comfortable for both left and right hand users Light weight & thin easy to carry.
- 8 Port Network Switch POE + to be provided as part of the scope of work as per Minimum Specification

- Bidder must consider accessories like power cable and other accessories as part the scope of work. Row power and require electrification will be given by Customer. Require internet connectivity will be Provide by customer as per requirement for smart class.
- Unshielded twisted pair, Category 6A, 23 AWG solid bare copper, Insulation: High Density Polyethylene, Jacket: LSOH, Frequency: Tested up to Minimum 250 MHz, Fire Rating: EN 60332-1-2:2004 +A1:2015 +A11:2016, Standard Compliance: ANSI/TIA-568 C.2 category 6A, ISO/IEC-11801, Class E/ IEC 61156-5: category 6A, CPR (Class: B2ca-s1a, d1, a1).
- The bidder should own the responsibility of maintaining the System during warranty period. This involves comprehensive maintenance of all installed hardware & software covered under the warranty which include repairing, replacement of faulty parts, modules, sub-modules, assemblies, sub-assemblies, spares etc. with genuine OEM components to make the system functional/ operational as per bid as well as The Bidder shall also be responsible for executing software updates when necessary.
- Back to Back OEM support should be available for the maintenance, support, replacement, upgradation, vulnerabilities assessment based on periodic patches issued by the OEM during the warranty period.
- Bidder/OEM shall also provide a helpdesk number, email address so that end-user may report problems/ Complaint, if any, using any of the available methods.
- The Bidder must have call logging system and all the complaints received by the vendor through email, telephone and writing must be acknowledged in the form of service ticket no. either through email or SMS and informed to Department

Delivery & Installation Schedule:

1. Delivery Location: total 25 classrooms of the selected Collages across Gujarat state.
2. Delivery of the material shall be done within 75 working days from the date of confirmed purchase order.
3. Installation shall be completed within 30 days from the date of delivery of the material.

Penalty:

1. If the bidder fails to deliver and install the requisite hardware and software within time limit given, then a sum equivalent to one percent (1%) of the total contract value shall be deducted from the payment for each calendar week of delay or part thereof.
2. Delay in excess of 8 weeks will be sufficient to cause for termination of the contract. In that case the Performance Bank Guarantee of the bidder will be forfeited.
3. During warranty period, if the complaint is not resolved within 48 hrs, the penalty of Rs. 500 per day for all other type of complaints (including software complaints) and other peripherals will be levied. However, if the complaints not resolved within 7 days then from 8th day to 14th day, penalty would be levied @ 100% 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.
4. In case of not repairable, the bidder will be required to arrange for an immediate replacement of the same within the stipulated time period.

5. The amount of penalty (liquidated damages) shall be subject to a maximum limit of 10% of total contract value.

Payment Terms:

1. No advance payment will be made.
2. 80% payment after successful inspection and delivery of the ordered goods. The inspection will be done by GIL.
3. 20% payment will be made after requisite use training to the end-user and Installation.

ADDITIONAL DOCUMENT TO BE SUBMITTED:

In the technical bid section of GeM, the bidder is also required to upload following documents;

- Brochure and OEM Compliance of the Offered product on OEM Letter pad.
- BoQ compliance on OEM letterhead for all the products.
- Compliance of the SoW, SLA and Payment terms etc as uploaded as part of the GeM Bid on bidder's letterhead.
- Undertaking as per guidelines published by Ministry of Finance, Dept. of Expenditure, Public Procurement division dated 23.07.2020 in the given format by Bidder as well as OEM.

Locations list where Smart class need to install

No.	College Names
1	R.C. College Of Commerce AHMEDABAD
2	Government Law College, Khokhra, Ahmedabad
3	Government Commerce College Naroda Ahmedabad
4	Government Arts College , Bayad
5	GOVERNMENT SCIENCE COLLEGE, IDAR
6	GOVERNMENT ARTS AND COMMERCE COLLEGE, JADAR
7	GOVERNMENT ARTS AND COMMERCE COLLEGE THARAD
8	Government arts college wav
9	Government Science College, Vadnagar
10	R S J M ARTS COLLEGE CHOTILA
11	A M P GOVT LAW COLLEGE RAJKOT
12	Thakorshri murvaji arts college - Kotda Sangani, Rajkot
13	GOVERNMENT ARTS AND COMMERCE COLLEGE JAFRABAD DIST.AMRELI
14	Government Arts College, Ranavav, Porbandar
15	Government Arts College Jam Kalyanpur
16	R.R. LALAN COLLEGE BHUJ
17	GOVERNMENT SCIENCE COLLEGE MANDVI KACHCHH
18	GOVT. ARTS & COMM.COLLEGE, MEGHRAJ
19	Govt.B.Ed.College Meghraj
20	Government B.ed College, kachhal
21	GOVERNMENT ARTS AND COMMERCE COLLEGE, VANSDA
22	SHREE ATAL BIHARI VAJPAYEE GOVERNMENT ARTS & COMMERCE COLLEGE, VANKAL TA.MANGROL DIST.SURAT
23	GOVERNMENT SCIENCE COLLEGE VALOD
24	Government Ladies arts college uchchhal, TAPI
25	Government Arts College Kaparada

On letterhead of Bidder

**Sub : Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020
published by Ministry of Finance, Dept. of Expenditure, Public Procurement division**

Ref: Bid Number: _____

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that we as a bidder and quoted product from following OEMs are not from such a country or, if from such a country, these quoted products OEM has been registered with competent authority. I hereby certify that these quoted product & its OEM fulfills all requirements in this regard and is eligible to be considered for procurement for Bid number _____.

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority, otherwise GIL/End user Dept. reserves the right to take legal action on us.

(Signature)

Authorized Signatory of **M/s <<Name of Company>>**

On letterhead of OEM

**Sub : Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020
published by Ministry of Finance, Dept. of Expenditure, Public Procurement division**

Ref: Bid Number: _____

Dear Sir,

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that our quoted product and our company are not from such a country, or if from such a country, our quoted product and our company have been registered with competent authority. I hereby certify that these quoted product and our company fulfill all requirements in this regard and is eligible to be considered for procurement for Bid number _____.

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority; otherwise GIL/End user Dept. reserves the right to take legal action on us.

(Signature)

Authorized Signatory of **M/s <<Name of Company>>**

To,
XXXXXX

Ref: Bid Number: XXXXX

Subject: MAF Authorization.

Dear Sir,

We, M/s XXXXXX Manufacturing make do hereby authorize XXXXXX to submit a bid, and sign the contract with you against above mentioned tender No: Bid Number: XXXXX

We authorized the XXXX for the following modules/products:

Sr. No.	Item Description	Make	Model	UOM
1				
2				
3				

We hereby confirm that the offered Product in the referenced RFP will be provided unconditionally with a back to back warranty, maintenance, support services and parts availability etc. for proposed product etc. available for the period of Three years from FAT through M/s. XXXX.

Sign and Stamp of Authorized person.