

BRIHANMUMBAI MUNICIPAL CORPORATION
DISASTER MANAGEMENT DEPARTMENT
Chief Officer/ T-03/ DM dtd 27.11.2024

Tender ID:2024_MCGM_1118290

e-Tender Notice

Subject: - Supply, Installation, Commissioning & CSMC of Audio Visual Conferencing System (AVCS) at DMU, MHO.

The Brihanmumbai Municipal Commissioner invites the following online tender. The application form can be downloaded from NICs portal (<https://mahatenders.gov.in>) on payment of ₹147300 of EMD. The applicants not registered with BMC are mandated to get registered (Vendor Registration) with BMC.

The forms of Tender documents are available on the e-Tendering website <https://mahatenders.gov.in>. The aspiring Applicants will have to download Tender form, from the website mentioned above. The bidder has to fill in online format and upload information regarding Tender Online. Also he has to download the Tender application form from website, fill it and upload the scanned copy of duly filled form, along with required documents.

For purchasing the Tender documents, the bidders will have to get registered with e-tender portal (<https://mahatenders.gov.in>) for the e-tendering process and obtain login credentials to participate in the online Tender process. The details of the same are available on <https://mahatenders.gov.in>. For registration, enrolment for digital signature certificates and user manual, please refer to respective links provided in e-tendering tab on <https://mahatenders.gov.in>.

Note:-*Applicable only if e-procurement (Mahatenders) system permits.

In terms of the 3 stage system of e-tendering, a Bidder will be required to deposit, along with its Bid, an Earnest Money Deposit of ₹ 147300/- .refundable in accordance to the relevant clause of bid document, from the Bid Due Date, except in the case of the selected Bidder whose Bid Security/EMD shall be retained. The Bidders will have to provide Earnest Money Deposit through the payment gateways while submitting the bids. The Bid shall be summarily rejected if it is not accompanied by the Earnest Money Deposit. The e-tender notice is available on NIC Portal <https://mahatenders.gov.in> as mentioned in the Header Data of the tender.

As per THREE Packet systems, the document for Packet A &B is to be uploaded by the bidder in vendors' document online in Packet A, B. Packet A, B & C shall be opened on dates as mentioned in header data. All the responsive and eligible bidders if they so wish can be present at the time of opening of bids, in the office of **Chief Officer (Disaster Management Department)** . The Packet C shall be opened if bids submission in Packet A& B satisfies/includes all the requirements and same are found acceptable to the Authority.

The Municipal Commissioner reserves the right to reject all or any of the e- tender(s) without assigning any reasons at any stage.

The dates and time for submission and opening the bids are as shown in the Header Data. If there are any changes in the dates the same will be displayed on the NIC Portal <https://mahatenders.gov.in>.

Any clarification on Tender contents i.e. scope of work, terms & conditions of subject work shall be communicated to concern Executive Engineer (M&E) or Sub Engineer (M&E) whose contact Nos. are 61234000, 22694725/27, 9820303625, 9921735060, 9920446632 & email address is co.dm@mcgm.gov.in

The technical and commercial bids shall be submitted on line up to the Bid End Date & Time mentioned below.

Sr. No.	Name of the work	Earnest Money Deposit (Rs.)	Scrutiny Fees (Rs.)	Bid Start Date & time	Pre-bid date & time	Bid End Date & time
1	2	3	4	5	6	7
1.	Supply, Installation, Commissioning & CSMC of Audio Visual Conferencing System (AVCS) at DMU, MHO. Tender ID.: 2024_MCGM_1118290	Rs. 147300/-	Rs.13200/- + 18% GST	27.11.2024 Upto 06:00PM	05.12.2024 at 3:00PM	17.12.2024 Upto 03:00PM

The bidder shall have to pay the “e Tender Price” as mentioned in the above table through online payment gateway before downloading the tender documents.

All bidders are required to pay the EMD online only & shall upload the scanned copy of the receipt in Packet ‘A’ instead of paying the EMD at any of the CFC centers in BMC Offices. All bidders are requested to go through <https://mahatenders.gov.in> before submitting the e-Tender successfully.

The bidders fulfilling the following criteria are eligible to bid for tender-

1.1 Technical Capacity (For Routine Work)

1) The renderer(s) in their own name should have satisfactorily executed the work of similar nature BMC /Semi Govt. /Govt. & Public Sector Organizations during **last seven (7) years** ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied)

- a) Three similar completed works each of value not less than the value equal to Rs.1472190.00/- (20% of estimated cost i.e. Rs. 7360950/-).(Excluding of GST)**
Or

- b) **Two similar completed works each** of value not less than the value equal to Rs.1840237.50/- (**25%** of estimated cost i.e. Rs. 7360950/-).(Excluding of GST)
Or
c) **One similar completed work** of value equal and or not less than the Rs.2944380.00 /- (**40%** of estimated cost i.e. Rs. 7360950/-) (Excluding of GST)

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum; calculated from the date of completion to last date of receipt of applications for tenders.

Note: Partly completed work of ongoing contract will not be considered as completed work and the same will not be considered for evaluation of technical capacity.

1.2 Financial Capacity

Achieved an average annual financial turnover as certified by ‘Chartered Accountant’ equal to **30%** of the estimated cost i.e. Rs. 2605776.30 of work in **last three (3) financial years** immediately preceding the Financial Year in which bids are invited.

1.3 Similar Experience:

For assessing the technical capacity of Regular & Routine similar work shall mean: Bidders having experience of Supply, Installation Commissioning & programming of Audio Video System of a conference room/Board room solution with minimum seating capacity of 50No.s.

Note: The statement showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be attached along with certificates duly signed by the Engineer-in Charge, not below the rank of an Executive Engineer or equivalent.

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- made misleading or false representation in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record for poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc

Special instruction to bidder.

- 1) Bids must be uploaded on BMC portal on or before **17.12.2024 Upto 03:00PM**. Late bids cannot be uploaded after due date & time. Bids will be opened in the presence of the Bidders’ representatives who choose to attend at the address above on after 1605 Hrs.

- 2) The pre-bid meeting is arranged on **05.12.2024 at 3:00PM** at Disaster Management Department, 2nd floor, BMC Head Office, Annex Building, Fort, Mumbai -01. The interested bidders are requested to attend the same
- 3) For any suggestions/deviations in specifications, general specifications, terms and conditions, the same shall be submitted at the time of pre-bid meeting on a separate letter head of the company stating "Deviations from the offer". No claims on this account will be entertained later on.
- 4) The details of short description in the Item Data are mentioned in BOQ.

THE OFFERS WHICH DO NOT COMPLY WITH ABOVE QUALIFICATION CRITERIA WILL NOT BE CONSIDERED.

Any clarification on Tender contents shall be communicated to concern Executive Engineer (M. & E.) & email address is co.dm@mcgm.gov.in

The tenders will be received electronically online only.

**Sd/-
Chief Officer (DM)**

BRIHANMUMBAI MUNICIPAL CORPORATION
DISASTER MANAGEMENT DEPARTMENT

Chief Officer/ T-03/ DM dtd 27.11.2024

Tender Notice

E-Tender No.	Chief Officer/ T-03/ DM dtd 27.11.2024
Tender ID	2024_MCGM_1118290
Name of Department	Disaster Management Department, BMC
Subject	Supply, Installation, Commissioning & CSMC of Audio Visual Conferencing System (AVCS) at DMU, MHO.
Tender Scrutiny Fees	Rs.13200/-+ 18% GST/-
Office Estimate	Rs.7360950/- (Excluding GST)
Earnest Money Deposit	Rs147300/- (through payment gateways of GOM on URL https://mahatenders.gov.in)
Date of issue of Tender Document	27.11.2024 Upto 06:00PM
Pre Bid Meeting	05.12.2024 at 3:00PM
End Date and Time of Bid Submission	17.12.2024 Upto 03:00PM
Opening of The 'Folder ONE - Technical Bid' ('Folder one-Technical Bid')	19.12.2024 Upto 03:00PM
Opening of The 'Folder TWO Financial Bid' ('Folder two-Financial bid')	will inform later
Website	https://mahatenders.gov.in
Name of Contact Person	1.Sunil Jadhav, EE (DMU) - 9820303625 2.Shubham Pagariya, SE (DMU)– 9921735060
Address for Communication & pre bid meeting	Office of the Chief Officer (DMU), Municipal Head Office, 2 nd floor, Annex Building, Mahapalika Marg, Mumbai-400001. P:022-61234000 / 22694725/27 Email ID: co.dm@mcgm.gov.in
Venue for opening of bid	On Line at above address

Note-

- 1. All interested bidders shall note that corrigendum (if any) in regards of this work will be published on mahaetender portal only.**
- 2. The BMC reserved the right to accept any of the application or reject any or all applications received for above subject without assigning any reasons at any stage.**

Sd/-
Chief Officer
(DMP & CCRS)

SCOPE OF WORK

BRIHANMUMBAI MUNICIPAL CORPORATION

DISASTER MANAGEMENT DEPARTMENT

TECHNICAL SPECIFICATIONS & SCOPE OF WORK

Sub: Supply, Installation, Commissioning & CSMC of Audio Visual Conferencing System (AVCS) at DMU, MHO.

Preamble: The proposed Disaster Management Department at 2nd floor of MHO has a conference hall with the maximum capacity of 62 persons (800 Sq Ft.).

The existing AVCS comprises of Video Display System, Audio Conferencing & Audio System, and Control System & Input Switching & Management, housed in Storage Console, etc. The interconnecting cable for Video, Audio and Control Cable Signal communication integrate the entire Presentation System. The existing CSMC contract of the present system was expired on 23-05-2023. Hence, it is proposed to install upgraded advanced technology based Audio Video Conference system at DMU MHO with buyback of existing AVCS System.

The project entails the design, installation, and programming of a conference room AV system. This system will feature an 4K Active LED wall 5ft by 7ft ,20x digital zoom a high-resolution camera with 2 extended 55” TV Displays, ceiling speakers, gooseneck microphones for the delegates, chairman delegate microphones, and a centralized control system accessible via a 10" tablet and minor civil, carpentry work.

This room is to be designed and future proofed for the utility of conducting ongoing video conference meeting at the BMC office – ensuring that all components of the conference room are completely interfaced and automated on single touchpad

The prospective bidders will have responsibility of Systems Design, Configuration, commissioning and installation along with 3 years DLP and 2 years CSMC thereafter.

Scope of Work:

1. The bidder must visit DMU, MHO office on the following address and get well acquainted with scope of work at following address:

**Office of the
Chief Officer
Disaster Management Department,
2nd floor, Annex Bldg.,
Municipal Head Office,
Fort, Mumbai – 400 001
Tel.022-22694725/Fax.022-22694719.
E-mail: co.dm@mcgm.gov.in**

Prospective Bidders have to submit the copy of site visit along with Single Line Diagram of proposed work with due signature of BMC site representative in packet A. Tender with no such attachments will be rejected. No grievances will be entertained thereafter.

2. The Proposed Audio Visual Conferencing System (AVCS) will comprise following :
 - a. Active LED Wall - Size: 5ft x 7ft -Resolution: High-definition -Connectivity: HDMI, DisplayPort, Wireless presentation -Mounting: Wall-mount bracket [Peoplelink, Areo, Cornea, Extreme Media, LG]
 - b. 2 No.s of Smart TV – 55” to be used as extended displays [Samsung/ Sony/ Croma/ LG]
 - c. Camera – PTZ - Zoom: 20x optical zoom -Resolution: Full HD or 4K -Features: Auto-tracking, wide-angle lens- Mounting: Ceiling or wall mount [Logitech, Jabra, Peoplelink, Cornea, Areo]
 - d. Speakers -Quantity: 10 ceiling speakers -Type: In-ceiling, high-fidelity -Power: Amplifier specifications – [Ahuja, Jabra, Tannoy, Phillips]
 - e. Microphones -Quantity: 14 gooseneck microphones wired and integrated in DSP & Amplifier with multiple and singular muting and unmuting automation [Ahuja, Jabra, Peoplelink, Boat]
 - f. Chairman Delegate Mics: 2, with priority override and built-in speaker – auto focus of camera on unmuting – while muting all the other delegate mics [Ahuja, Jabra, Peoplelink, Boat]
 - g. Control System – Video Wall Controller – Integrated in the CODEC with DSP & Amplifier for speakers and mic controls – extended display TV’s – optica
 - h. VC System – fully programmed to be working on touchpad - Tablet: 10" touchscreen control panel - Features: Customizable UI, AV control and presets [Kramer, Peoplelink, Logitech, Jabra]
 - i. Wooden Cabinet: 11ft L x 3ft H x 3 ft D – dimension for wooden cabinet for installation and storage of control equipment
 - j. M.S. Fabricated framework for installation of the Video Wall
 - k. CSMC of entire system for 2 years after completion of DLP period of 3 years.
 - l. Programming of entire System as & when needed
3. Complete Site Survey, Assembly and Commissioning, obtaining approval from BMC, furnishing of As-Built drawings and Operation and Maintenance Manuals, Training of BMC personnel, warranty of three year and CSMC of two years after completion of warranty.
4. Designing of the system in accordance with the specifications, standards, statutory requirements and Local Codes & as per BOQ.
5. Preparation of the AVCS drawings inclusive of electrical & carpentry works based on the Tender Drawings, Actual site conditions of Reflected Ceiling Plan (RCP), Civil particulars like paneling, false ceilings, Electrical points, etc.
6. Furnishing the B.O.Q, Electrical Load Calculations, and optimization programme, product datasheets, Support provision, Installation Drawings etc.

7. Obtaining approval for the Design and Installation from the Chief Officer, DMU.
8. Obtaining proof of support from the ORIGINAL EQUIPMENT MANUFACTURER (OEM) for all equipments/spare parts for the project mentioned in Annexure.
9. The OEM should have direct technical support staff and direct office, service centre in MMR region for immediate technical support. Official HR documentation required.
10. The OEM at least have valid ISO 9001:2015,ISO 45001:2018, ISO 27001:2022 and ISO 14001:2015 Certified Company. (Related certificate copy required).
11. BMC reserves the rights for any changes/cancellation/rejection of any part or whole bid, without assigning any reason what so ever
12. Dedicated/ toll free Telephone No. for service support, Escalation Matrix for Service support.
13. The bidder shall confirm & submit proof from OEM for support regarding spares of installed equipments during entire contract period. The bidder has to replace faulty equipments at free of cost during entire contract period.
14. In case of non-availability of faulty equipment / spares from OEM during contract period, the successful bidder has to submit proof for the same & suggest the replacement of subjected equipment / spares. The suggested equipment / spares shall meet with the specifications mentioned in tender & it must be approved by BMC.
15. The successful Contractor shall preserve and hand over the Warranty Certificates and O&M Manuals and Tools and Tackles, etc. accompanying the materials properly to the BMC. They shall handover the Spares, balance unused consumables, etc. to BMC.
16. The successful contractor is responsible for providing latest updates, patches, etc. for all equipments during entire contract period at free of cost including license fees.
17. The successful Contractor shall attend the meetings at site with the BMC representatives as and when required in connection to the Contract. They shall maintain the utmost safety procedures at site and ensures that no accident or near-miss or any sort of mishap happens at site.
18. The work of Supply, Installation & Commissioning of all the items mentioned in Annexure in tender document shall be carried out within 90 days from receipt of the PO/LOA. Hence, the total contract period for subject work will be 5 Years & 90 Days. The 90% payment of SITC work will be done after satisfactory demo (UAT) of entire system. & remaining 10% payment made after satisfying the performance of 1 month after UAT.
19. The bidder shall mention brand (OEM) and model No for all the items mentioned in Annexure in tender document & submit a product brochure against which they are bidding, provided by OEM in Packet 'A & B' of a subject e-tender.

20. The detailed list of equipments with approved Brands & minimum specifications is attached as Annexure. It is to be noted that, any variation in case of approved Brands & minimum specification will lead to the disqualification of the bidder from e-tendering process of the subject work. Only listed products shall be utilized and trims, accessories of the Main Items shall also be listed from the same manufacturer.
21. Defect Liability Period (DLP) for the subject work is 36 Months from the date of successful commissioning of the AVCS. Any defect, fault, etc which is not in accordance with contract arising during DLP, shall be amended or made good by the contractor at his own cost.
22. The successful bidder shall submit the detail rate analysis of the bid they have submitted in Packet C of e-tender. This rate analysis shall have rates of all the items mentioned in Annexure with applicable Taxes, duties, Octroi, etc. The POs will be generated as per the rates & applicable Taxes, duties, Octroi, etc submitted by the successful bidder
23. The successful bidder must supply all the items mentioned in Annexure within 90 Days from receipt of the PO at Disaster Management Unit at MHO. This department will issue separate POs for procurement and yearly CSMC. Furthermore, BMC reserves the right of issuing the POs as per the material groups/FY.
24. The bill for the procurement will be processed after successful delivery, installation & commissioning of AVCS. The warranty period will start from successful commissioning of AVCS system. The payment for the CSMC will be on quarterly basis after submitting satisfying monthly service reports.
25. CSMC: The successful contractor shall proactively carry out preventive maintenance of entire system at least once in a month. They shall provide prompt onsite service whenever a problem, fault, etc. reported to them by Disaster Management Unit. The scope of CSMC also includes shifting of entire system, change of layout, change in programming, etc if needed during contract period at free of cost.
26. Should there be problem, affecting the regular operations of the AV system that remain unresolved for more than 24 hours, vendor shall provide replacement equivalent unit on a standby basis, to ensure continuity of operations. The bidder shall not run AVCS on standby equipments for more than 30 days.
27. The successful bidder shall give demo & training of entire AVCS to the staff of Disaster Management Unit. They shall also train maintenance staff of this department regarding operation, necessary daily inspection and maintenance as & when needed.
28. Lowest successful bidder has to carry out the routine preventive maintenance and allied service of these AVCS on monthly basis, preferably in between 1st day of any month to 10th day of the same month.

29. The contract is liable to be terminated by giving one month's notice by BMC, if the "Maintenance Contract" is found un-satisfactory.
30. No material, manpower, tools, etc. will be provided by BMC. During the course of servicing contract.
31. The contractor has to submit the Monthly service report (3 copies) to the BMC duly signed by concerned site-in-charge & shall be submitted along with the bill.
32. Before using the materials for replacement, lowest successful bidder shall show the same to representative of the department.
33. Prospective bidder must visit this office to inspect the existing AVCS System installed at DMU MHO.
34. The Details of Existing AVCS System is as follows:

Sr. No.	Description	Qty	Make
1	Projector	1 No.s	Barco
2	Ceiling Mount Kit	1 No.s	CMK
3	113" Diagonal/Motorised Screen	1 No.s	Custom
4	Ceiling Speaker	8 No.s	JBL
5	Boundary Layers Mics	16 No.s	Shure
6	Lapel Mics	2 No.s	Shure
7	Wireless Microphone	2 No.s	Shure
8	DSP	1 No.s	Clearone
9	DSP Expansion	2 No.s	Clearone
10	Sceler DM Receiver,	1 No.s	Crestron
11	Multiformat Switch	1 No.s	Crestron
12	Distribution Amplifier	1 No.s	Crestron
13	Touch Pad	1 No.s	Apple
14	Wireless Acess point for ipad	1 No.s	D Link
15	8 Port relay Controller	1 No.s	Milestone
16	Cable Cubby	3 No.s	EIS Connect

35. The bidder shall offer a suitable buyback value of existing AVCS. The buyback value will be deducted from total value of the work. Hence, the contract value will be the value of subject work after deducting the buyback value offered. Total buyback value shall not be less than **Rs. 1, 35,000/- + GST (if any)**.

Service Level Agreement (SLA):

The clauses for delay in delivery, replacement non-maintenance, non-compliance, etc during contract period are as follows:

Sr. No.	Activity	Rate
1	Failure in maintaining the delivery schedule	Any unjustified and unacceptable delay in delivery schedule as given above will render the vendor liable for liquidated damage at the rate of 0.2% (point Two Percent) of the purchase order value per day. Maximum penalty will be limited to 10% of PO value.
2	Failure in maintaining change request	During contract period, if any changes are suggested by BMC, they shall be incorporated in the AVCS within 07 days from the date on which the contractor has been informed of such change. If the suggested change not implemented within the stipulated time, a penalty of 0.2% (point Two Percent) of contract value per day will be imposed on contractor. Maximum penalty will be limited to 10% of contract value.
3	Installation & Commissioning	Installation & Commissioning shall be completed within stipulated time mentioned in the subject tender document. Any unjustified and unacceptable delay in Installation & Commissioning schedule as given above will render the vendor liable for liquidated damage at the rate of 0.2% (point Two Percent) of the purchase order value per day. Maximum penalty will be limited to 10% of contract value.
4	CSMC during contract period	Service call time 8am to 6pm on BMC working days: It shall be attended within 2 Hrs from the complaint lodged by this department. Thereafter, a penalty of Rs 200/- per hour will be imposed on vendor. Service call time 6pm to 8am & on BMC holidays: It shall be attended on next day by 10am. Thereafter, a penalty of Rs200/- per hour will be imposed on vendor.

Terms & Conditions:

1. The Bidder is requested to visit Disaster Management Department at Head Office to get them well acquainted with the technical scope of work.
2. The bidders must be carrying out similar business for at least last 7 years. Documents supporting to this shall be enclosed with the tender document.
3. The subject work will be awarded to a lowest bidder for entire work. There will not be any categorization / allocation of the work to respective lower bidders as per the line items of BOQ.
4. Bidder must submit the proof of authorized dealership / distributorship or an authority letter from OEM of all the items mentioned in Annexure, with reference to the e-Tender No. of subject work. The authority letter from OEM shall be marked to Chief Officer, DMU or Municipal Commissioner, BMC.
5. Successful bidder should have or shall be ready to set up project office in the jurisdictions of Mumbai/Navi Mumbai.

6. Bidder must have a setup of qualified staff for subject work and purpose of the work. They must appoint a person who is technically and commercially capable to handle the job as a single point of communication.
7. If any changes in specifications, general specifications, terms and conditions are there, the same shall be submitted at the time of pre-bid meeting on a separate letter head of the company stating "Deviations from the offer" at least before pre bid meeting. No claims on this account will be entertained later on.
8. The bidders shall fill in all the annexure as enclosed with the tender.
9. The payment for this work will be released after submission of the bills by the contractor as per BMC procedure.
10. The contractor shall be responsible to any damages done to the municipal property by his personnel and BMC will have all the rights to claim and recover the same from any money due to the contractors from BMC on this or any other BMC work.
11. The payment for this work will be released on successful completion of work as per the scope of work, terms & conditions for subject work, after submission of the bills by the Contractor and after following the BMC procedure.
12. The bidder shall invariably upload all the relevant annexure & documents while submitting the bid, failing to which a bidder will be treated as non-responsive.

Sd/-
Executive Engineer (M&E)
Disaster Management Department

BILL OF QUANTITIES

BILL OF QUANTITIES

Sr. No	Actual Description of Item	Description in e-tendering Commercial Window	Qty	Unit	Cost (in Rs) (Inclusive of all taxes)	Premium (+) / Discount (-) whichever is applicable including all taxes.	Cost after Premium (+) / Discount (-) (in Rs) (Inclusive of all taxes)
1	Supply, Installation, Commissioning & CSMC of Audio Visual Conferencing System (AVCS) at DMU, MHO.	Supply, Installation, Commissioning & CSMC of Audio Visual Conferencing System (AVCS) at DMU, MHO.	1	Job	Rs.7360950/-		
Gross Total amount (including all taxes)							
(Gross Total in words.....)							

Bidder's Address

Tel. No. _____

Vendor No. _____

Email ID. _____

Signature of Bidder & Office Stamp

(Note: Above BOQ is to be filled & submitted by successful bidder after allotment of work as a part of contract document.)