

MUMBAI HOUSING AND AREA DEVELOPMENT BOARD
A REGIONAL UNIT OF
(MAHARASHTRA HOUSING AND AREA DEVELOPMENT AUTHORITY)

Tel no.- 022-66405220, E-mail eelect.mhada@gmail.com

Ref. No.- EE/Elect/M.B./Quotation/

/2026

Date-

Notice to Agency for rates only

Executive Engineer / Electrical Division / Mumbai Housing and Area Development Board, Room no.368, is inviting the quotation for obtaining Rate of Item's only from contractor / agencies having experience in carrying out similar type of work for work of Projection Mapping Laser Light Show and Sound Show at Seashore Andheri (W) . Contractor / agency required to submit the Quotation rates with & without GST and duly signed with seal. Sealed quotation will be received in the same office on or before 23/04/2026 up to 5:00 PM.

Name of work and Description of Item	
1.	SITC - For Work of Projection Mapping, Laser Light Show and Sound Show at Andheri (W).....

Detailed requirement, advertisement, terms and conditions can be downloaded from our website www.mhada.gov.in--> tenders



Executive Engineer, Electrical
Division,
Mumbai Board

मुंबई गृहनिर्माण व क्षेत्रविकास मंडळ

(म्हाडाचा घटक)

दुरध्वनीक्र : ०२२-६६४०५२२०

जा.क्र.का.अ./विद्युत/मु.मं./कोटेशन /

/ २०२६

कंत्राटदार / एजन्सीला फक्त दर मागविण्यासाठी सूचना

कार्यकारी अभियंता विद्युत विभाग, मु. गृ. व क्ष. वि. मंडळ रुमक्र. ३६८, दुसरा मजला, गृहनिर्माण भवन, कलानगर, बांद्रापूर्व, मुंबई -५१, यांच्या कार्यालयामार्फत खालील दर्शविलेल्या कामाकरिता दर निश्चित करण्यासाठी अशा प्रकारच्या काम करण्याचा अनुभव असलेल्या ठेकेदार / एजन्सीकडून / कंपनीकडून कोटेशन मागविण्यात येत आहे. खाली दिलेल्या कामाचे नाव कोटेशन वर शिक्क्यानिशी मोहरबंद पाकीट दिनांक २३/०४/२०२६ रोजी किंवा अगोदर ५.०० वाजेपर्यंत उपरोक्त कार्यालयात पोहचतील असे पाठवावे. जर शक्य झाले तर कोटेशन त्याच दिवशी उघडण्यात येतील. कामाचे ठिकाण- अंधेरी(पश्चिम) येथे समुद्र किनाऱ्यावर, मुंबई.

Name of work and Description of Item	
1	SITC - For Work of Projection Mapping, Laser Light Show and Sound Show at Andheri (W)..... [प्रोजेक्शन मॅपिंग लेझर लाईट शो आणि साउंड शो अंधेरी (पश्चिम) मुंबई]

अधिक माहिती www.mhada.gov.in वर माहिती मिळावा.

कार्यकारी अभियंता
विद्युत विभाग, मुंबई मंडळ,
म्हाडा

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Ref. No.- EE/Elect/M.B./Quotation/ /2026

Date-

Notice to Agency for rates only

Executive Engineer / Electrical Division / Mumbai Housing and Area Development Board, Room no.368, 2nd Floor, Grih Nirman Bhavan, Kalanagar, Bandra (East), Mumbai-400051 is inviting the quotation for obtaining Rate of Item only from contractor / agencies having experience in carrying out similar type of work of Projection Mapping Laser Light Show and Sound Show at Andheri (W). Contractor / agency required to submit the Quotation rates with & without GST and duly signed with seal. Sealed quotation will be received in the same office on or before 23/04/2026 up to 5:00 PM. and opened on the same date if possible for the work mentioned below—

	Name of work and Description of Item	Qty	Unit	Rate without GST for one item	GST Rate	Total Rate
	VIDEO, Content, Setup, Integration And Programming					
1.	SITC of 3-Chip DLP Laser Projector 31000 Lumens, Resolution WUXGA (1920x1200), Contrast 20000:1, Illumination Lifetime: 20000 Hrs, Brightness Uniformity: 92% or more, Horizontal & Vertical Edge blending, Compact & Light Less than 50 kgs, Inbuilt warping, Optical Lens Shift, 3D Active Stereo Capable, Video Inputs: 1x HD baseT, 1x DP1.2, 1x HDMI 2.0 (HDCP 2.2, HDR10 support), Orientation: 360 deg, Max Pixel Clock: 600 MHz or more. Will be supplied with short throw lens with variable zoom & Lens shift having throw ratio 1.5:2.0:1	1	No.			
2.	SITC of weatherized enclosures for equipment with inbuilt AC and all filters & construction suitable for safeguarding projectors from coastal environment. Equipment should be complete with temperature and humidity sensors remote controlled with all accessories. Enclosure should also have built in proper air ventilation for maintaining ambient temperature and humidity inside enclosure. Bidder need to submit design of enclosure to consultant for approval before beginning installation.	1	No			
3.	SITC of Display media server with 10 nos x WUXGA outputs as required with single or multiple media servers synced together. It should be capable of capturing content. Min. Specifications per media server Original windows 10 embedded with latest Intel i9 CPU with Rugged cooling system. with 32GB RAM, 512 nVME SSD drive for media playback. Should also have Ethernet in/out. to complete the job with all respects. media server should be equipped with NVidia Quaddro Series GPU with 12GB or more memory or better.	1	No			
4	SITC of Production PC having Original windows 10 embedded with Intel i7 or better CPU with Rugged cooling system. with 16GB RAM, 512 nVME SSD drive for media playback. Should also have Art-net Ethernet in/out. to complete the job with all respects, to be supplied with min. 22" Monitor.	1	No.			
5	SITC of 3D Projection mapping software, Playback control System to manage, schedule & control the media servers. It should have direct control on inputs and media timelines. It should have an option of being controlled by an external unit integrated with the software to complete the job with all respects.	1	No.			
6	SITC of Content Generation, Designing, Storyboarding, Historian, Voice Over, Project Conservationist on boarding, Direction and Graphics, Artistic Direction, research, script, translation, dramatization, Visualizing the content, creating 2D,3D animation, CGI, video shoot including artist, laser animation, Art component (if any), Programming / integration of show with	1	No.			

	content, effect complete etc. as required. The work includes collection of required information & relevant data, development of content for illumination show in consultation with client and making changes as per the observations / requirements. Content should be of 15-20mins running time. content should be played in synchronized way on all towers at same time.					
7	SITC of Projector tower having height of 15 Mtr. should be able to handle weight of approx. 600kgs, should be made of durable material like MS/equivalents powder coated, should be installed at site as per given location with complete foundation and other works. Bidder need to submit design of tower to consultant for approval before beginning installation.	1	No.			
8	SITC of 6 core armored multimode Fiber Optic Cable with laying required LIU box, patch panels etc. for complete integration including termination.	1	Mtr.			
9	SITC of HDMI Fiber Optic Extender with range up to 500 meters on multi mode fiber cable with complete installation	1	Set.			
10	SITC of 2.5sqmm, 3 core electrical cable for projectors from Control room, with laying termination and connection all complete.	1	Mtr.			
11	SITC of Electrical Panel for Projectors and Server in control room	1	No.			
12	SITC 24 Port Gigabit Managed Network Switch.	1	No.			
13	SITC of 42U Equipment Rack with all required accessories.	1	No.			
14	SITC of Cat 6e cable with laying termination all inclusive.	1	Mtr.			
15	SITC of Other installation accessories, control room equipment, other required power and data cables for video, Earthing, cable laying, scaffoldings etc.	1	No.			
16	SITC of 3 Phase in-out UPS 100 KVA with earthing and complete installation, UPS should have power backup of min. 30 minutes, UPS should have power factor for 0.9 or above.	1	No.			
17	SITC of Control Room container.	1	No.			
18	SITC of IP 66 weather proof moving head: Light Source : 680 - 950W, 6500K and full CMYC colour mixing, the fixture must have a minimum LED lifetime of 20,000 light hours, (to >70% luminous output), Beam Angle : Narrow beam to minimum 6 degrees to 40 degrees, Display on Board, PAN/TILT rotation, 540/270 degrees, (8-16 bit), Rotating Gobo: 7 Gobos plus open wheel rotation, gobo rotation, indexing and shake, gobo animation and flow effects included. Additional static gobo wheel with 8+ open gobos, with index rotation and shake. Colour mixing : CMY, independently variable 0 - 100%, Colour wheel : 7 colour filters plus open, CTC control from 6500K to 2700K, Rotatable framing module, +/- 60%,with 4 individual controllable full framing blades, and variable angle position. Prisms : 2 rotating . indexing prisms, (4 facet circular prism and 6 facet linear) FROST: Soft frost effect and heavy frost effect included, FOCUS: Motorized. RDM, DMX512, IP66, and C%-M rated.	1	No			
	AUDIO:					
19	Supply, installation, testing and commissioning of Two-way Small Format high SPL IP55 rated (as per IEC 60529) all weather surface mount loudspeaker. The loudspeaker shall meet the following performance criteria: Frequency Range (-10 dB) of 70 Hz - 18 kHz or better; Nominal Dispersion : 90°H x 60°V (rotatable Horn); Power handling of 1600W peak or more; Sensitivity : 97 dB; Max SPL : 128dB Peak; Nominal impedance of 8 ohms and Integral multi-tap Transformer with selectable tap settings of 10/20/40/80W@70V & 100V. The loudspeaker system shall be comprised of a Powder-coated finish stainless steel grille with Two-part spray polyurea coating Enclosure; Enclosure Material Exterior-grade plywood, Dual 8-inch woofer; Single 2-inch voice coil high-frequency compression driver; U bracket shall be included.	1	No.			

20	Custom Pole mounting arrangement.	1	No.			
21	Supply, installation, testing & Commissioning of 18" array able subwoofer for Arraying while suspending in the frame, having a Frequency Range (-10 dB) 29 – 300 Hz. It should have an axial Sensitivity of ≥ 98 dB (1W/1m) or more delivering a Max. Calculated SPL peak of ≥ 135 dB or better. The loudspeaker should have a nominal impedance: 4ohm or more and Power Handling, peak 5000 W or more, Enclosure Material Baltic birch plywood, Environmental IPx4, Suspension / Mounting: 4-point "quick pin" rigging; 4x M10 top and 4x M10 bottom inserts; M20 pole cup complete with installation as per the site requirement. It shall be supplied with suitable weather rated enclosure for Floor install.	1	No			
22	SITC of Class D configurable amplifier with Power Share Technology a digital signal processing 4 channel power amplifier with total of 4800W power and power sharing feature for Asymmetric power allocation. Shall support Dante Digital as well as Analog line level audio inputs and GPIO connections for muting. Power output: Up to 4x1200W @ 4–8 Ω , 70 V, 100 V , up to 4x1500W @ 2ohms, SNR: 110dB(A) or better, THD+N: <0.1 %, Crosstalk (1 kHz): -70dB or better, A/D and D/A converters: 24-bit, 48 kHz Sample rate converter: 24-bit, 44.1 kHz – 192 kHz, Latency 2.5 ms fixed-latency architecture, Input-to-output signal routing: 4 \times 4 matrix signal processing: Matrix mixer, 5-band PEQ, array EQ, band pass, Speaker EQ, limiter, delays, Programmable speaker EQs, Input impedance : 20 k Ω Status indicators: metering LEDs, system status LEDs, power status LEDs Protections: Thermal, excess high/low AC mains voltage, DC, high frequency, output short-circuit, inrush current, clip, peak, etc. Cooling system: variable-speed fan, front-to-back airflow	1	No.			
23	SITC of Class D configurable amplifier with Power Share Technology a digital signal processing 4 channel power amplifier with total of 2400W power and power sharing feature for Asymmetric power allocation. Shall support Dante Digital as well as Analog line level audio inputs and GPIO connections for muting. Power output: Up to 4x600W @ 4–8 Ω , 70 V, 100 V , up to 4x800W @ 2ohms, SNR: 108dB(A) or better, THD+N: <0.1 %, Crosstalk (1 kHz): -70dB or better, A/D and D/A converters: 24-bit, 48 kHz Sample rate converter: 24-bit, 44.1 kHz – 192 kHz, Latency 2.5 ms fixed-latency architecture, Input-to-output signal routing: 4 \times 4 matrix signal processing: Matrix mixer, 5-band PEQ, array EQ, band pass, Speaker EQ, limiter, delays, Programmable speaker EQs, Input impedance : 20 k Ω Status indicators: metering LEDs, system status LEDs, power status LEDs Protections: Thermal, excess high/low AC mains voltage, DC, high frequency, output short-circuit, inrush current, clip, peak, etc. Cooling system: variable-speed fan, front-to-back airflow	1	No.			
24	SITC of digital audio DSP with 32-bit fixed/floating-point DSP 456 MHz/ARM Cortex-A8 600 MHz processor or better with following features and specifications are required: The audio DSP shall have 12 analog balanced mic/line level inputs and 8 balanced output channels & 8 additional digital output channels on an RJ-45 jack. Each independently controllable . The DSP shall have Dante 64 \times 64, primary/secondary, an Ethernet connection for control and programming on an RJ-45 jack, USB audio Micro-B type, stereo in/out, Audio Latency 1.05 ms (analog in to analog out) or less, DSP shall have GPIO – 5 \times 5 general-purpose control, Phantom Power +48 VDC, software selectable per input, RS-232/485 ports: RS-232 (DTE) and RS-485 for control devices DSP shall have Display 256 x 64 OLED with rotary encoder, LED Status Indicators Power/Status, Audio Signal Indication On Display. The audio DSP shall include configurable signal processing, like signal routing and mixing, equalization, filtering, dynamics, delay, room combining, as well as control,	1	No.			

	monitoring, and diagnostic tools. The audio DSP shall control and proxy all expansion devices and other Dante® endpoints. It shall have following specs : Frequency Response: 18 Hz to 20 kHz, THD+N < 0.003%, Channel Separation (Crosstalk) < -105 dB, Dynamic Range > 115 dB, A-weighted 20 Hz – 20 kHz, analog input to analog output.					
25	Supply, installation, testing and commissioning of 2-way IP55 rated (as per IEC 529) indoor/outdoor surface mounted music loudspeaker. The loudspeaker shall meet the following performance criteria: Usable Frequency range (-10dB) of 65Hz to 20kHz; Power handling of 240Watt peak; Nominal Coverage Angle (1 – 4 kHz) 135° conical; Sensitivity of 89 dB SPL and Max SPL of 113 dB.SPL peak; Nominal impedance of 8 Ohms with an Integral multi-tap Transformer with selectable tap settings of 6/12/25/50W@100V or better. The loudspeaker system shall be comprised of a powder-coated aluminum grill; 5.25-inch weather-treated woofer and 1-inch neodymium dome tweeter coaxially mounted enclosed in engineered-plastics with an In-built waveguide designed to provide uniform area coverage across the loudspeakers frequency range. UL-1480A rated and CE-compliant.	1	No.			
26	SITC of smart mixer amplifier high impedance Class D, with Amplifier Power as 2 x 50 W @ 4Ω ; Frequency Response - 40 Hz - 18 kHz ; THD+N ≤0.3 % (at full rated power); Dynamic Range 88 dB or better; A/D and D/A Converters - 24-bit / 48 kHz; Audio Latency - 10.4 ms - (any input to speaker output or aux output) ; Maximum Input Level : +10 dBV or better. (2) unbalanced line, (1) balanced mic/line, (1) balanced mic/line Page Input; Embedded quick-start QR code in the OLED screen simplifies installation Up to 30 selectable EQ presets ensure sound performance and long-term reliability mixer amplifier must have Bluetooth 5.0 connectivity and RCA connectivity—no wire splicing required Indicators & Controls: Power LED, Input Signal LED, Output Limit LED, Bluetooth LED, Display OLED, 16-bit grayscale, 96 × 96 resolution. Mains Voltage 100 VAC – 240 VAC (±10%, 50/60 Hz)	1	No.			
27	Supply, installation testing and commissioning 120 KVA UPS, true on- line UPS 3 Ph double Conversion with all safeties and protection and suitable capacity, sealed maintenance free 12 V batteries with a 30 minutes backup time on full load with M.open MS Battery rack and cable.	1	No.			
28	Comprehensive Operation and Maintenance for 1st year	1	No.			
29	Comprehensive Operation and Maintenance for 2'nd year.	1	No.			
30	Comprehensive Operation and Maintenance for 3'rd year.	1	No.			
	Note: Defect Liability Period (DLP) 1 Year (Included for all above mention items)					

For any queries contact below officers:

Mrs. Poonam Shinde, SE-Div-II /MB :- 9137480277/022-66405269

Detailed requirement, advertisement, terms and conditions can be downloaded from our website www.mhada.gov.in--> tenders

Terms and Conditions:-

- Interested agencies shall download detailed specification from above mentioned site and if required contact above mentioned office for any clarification.
- Agency has to quote the rate without GST & with applicable percentage GST for this work.
- Agency has to submit the duly filled quotation along with required documents in sealed envelope accompanied with a forwarding letter.
- Executive Engineer / Electrical Division / Mumbai Housing & Area Development Board reserves the right to accept or reject any or all quotation without assigning any reason.
- The quotations are invited for obtaining rates of item for estimation purpose.

Executive Engineer,-Electrical,
Mumbai Board