



# DEENDAYAL PORT AUTHORITY

ISO 9001:2008 | ISO 14001 | ISPS Compliant Port



Office of Superintending Engineer (Electrical),  
Ground Floor, Nirman Building, New Kandla,  
Kutch, Pin Code 370210.

No.: EL/AC/2856

Date: 14/11/2024

## **EXPRESSION OF INTEREST [EOI]**

**"Supply, installation, testing & commissioning of Sound System at Sardar Vallabhbhai Patel Auditorium, Gopalpuri"**

(This EOI is issued to elicit Expression of Interest from the parties interested in the work and does not constitute any binding commitment from the Deendayal Port Authority to proceed with the work or invite any or all the parties in the subsequent bidding process. The Open Tenders will be issued subsequently.)

Executive Engineer (Electrical), DPA invites Expression of Interest for the work of "Supply, installation, testing & commissioning of Sound System at Sardar Vallabhbhai Patel Auditorium, Gopalpuri" from the reputed firms from those who have executed similar work in Government/public sectors and other leading private organizations. The Expression of Interest (EOI) documents containing details of Scope of Work and Technical Specifications are enclosed herewith.

The interested firms are requested to submit their expression of interest for the said work in BOQ format as enclosed at Annexure I. The completed EOI (Expression of Interest) shall be submitted to the office of the undersigned on or before 20/11/2024. A soft copy of EOI is also acceptable through e-mail Id [nikunj.solanki@deendayalport.gov.in](mailto:nikunj.solanki@deendayalport.gov.in) & [see@deendayalport.gov.in](mailto:see@deendayalport.gov.in)

Superintending Engineer (E)  
Deendayal Port Authority

ANNEXURE – I

Sr. No.	Description	Qty.	Unit	Rate	Amount
1	Supply, installation, testing & commissioning of Sound System for Auditorium as per Scope of Work & Technical Specification complete in all respect.	1	Complete Job		
Total					
(In words Rupees _____ only)					
(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc. and all incidental charges; but exclusive of GST).					
Signature & Seal of Firm			Superintending Engineer (E) Deendayal Port Authority		

## **SCOPE OF WORK**

Deendayal Port Authority (DPA) is one of the Major Port in India. The Specification is intended to cover the work of Supply, Installation, Testing & Commissioning of Sound System at Sardar Vallabhbhai Patel Auditorium, Gopalpuri. The work shall be executed to the satisfaction of the Engineer in-Charge. Supply & installation of all the required accessories shall be in the scope of the contractor. The contractor shall arrange all types of tools, tackles, scaffoldings at his own cost for installation, testing & commissioning of the sound system. The contractor shall provide training to DPA staff/personnel for operating the sound system properly as directed by Engineer-in-Charge.

## **TECHNICAL SPECIFICATION**

Sr. No.	Description of Item	Qty.
1	Dual 15 Inch 2-way passive loudspeaker Frequency Range (-10 dB) 50 - 18000kHz Max. SPL/1m (calc) <sup>2</sup> 139dB Music playback and sound reinforcement in mid-size venues. Nominal Impedance (Passive) 4Ω High Coverage Pattern: 35° x 55° nominal. SPL with smooth response, Good pattern control for medium throw use, Dual woofers with fully symmetric drive, 2-inch neodymium HF compression driver, Advanced 6th order crossover with HF protection, Sensitivity 1 W/1 m 103 dB, System Power Handling 1000W, internally braced trapezoidal plywood/MDF enclosure, Recommended High-Pass Frequency 40Hz Internal Crossover Crossover Frequency 1750 Hz.	6 Nos.
2	Dual 18 Inch passive subwoofer High-power LF supplement to full-range loudspeaker, Low-distortion port design, Music playback and sound reinforcement in mid-size venues. High Coverage Pattern: 40° x 60° nominal. SPL with smooth response, Good pattern control for medium throw use, Dual woofers with fully symmetric drive, 2-inch neodymium HF compression driver, Advanced 6th order crossover with HF protection, Sensitivity 1 W/1 m 103 dB, System Power Handling 1000W, internally braced trapezoidal plywood/MDF enclosure.	2 Nos.
3	2 x 1800 W Power DSP Amplifier For live performance applications 3 user-defined fan mode controls —normal, early and full speed — for matching fan performance to a specific application Live and mobile application, Input Impedance, Active Balance 20 k Ω, fully integrated professional speaker processing with FIR Drive technology, Good acoustic performance and solid reliability, Intuitive system control software, Maximum Output Power, Dual Channel: 900 @ 8 Ohms.	4 Nos.

4	<p>24 x 24 audio matrix and system controller</p> <p>12 mic/line level inputs, 8 line level outputs, electronically symmetric, Frequency Response 20 Hz to 20 kHz (<math>\pm 0.5</math> dB), Signal to Noise Ratio &gt; 115 dB, THD+N &lt; 0.002 %, Common Mode Rejection &gt; 70 dB, Sampling rate 48 kHz / 96 kHz, Dante synchronized, Signal Delay / Latency Analog In to Analog Out, 48 kHz / 96 kHz &lt; 0.45 ms / &lt; 0.22 ms, Signal Processing 32/40 bit, floating point, Filter PEQ, Lo pass, Hi pass, Loshelv, Hishelv, X-Over, FIR, Dynamics Ducker, Compressor, Noise gate, Limiter Peak (PA) limiter, RMS / TEMP limiter, Pilot tone Generator, Detector with Notch, Generators Sine, Pink noise, White noise, Mixer/Router Router, Mixer, Matrix Mixer, VU Meter, Level, Polarity, Mute, Delay. Network Audio Inputs 24 channels, 48 kHz / 96 kHz, Dante format, Network Audio Outputs 24 channels, 48 kHz / 96 kHz, Dante format.</p>	1 No.
5	<p>22-channel compact mixing system</p> <p>Intuitive mixer with 22 input channels (18 Mic/Line + 4 Mic/Stereo-Line), 2 High-Quality editable effects, 100 factory and 20 user presets, Professional 4x4 24-bit / 96 kHz, USB interface with MIDI, 11 band stereo graphic equalizer.</p>	1 No.
6	<p>12" Powered Loudspeaker</p> <p>Music playback and sound reinforcement in mid-size venues with smooth response, Good pattern control for medium throw use, Dual woofers with fully symmetric drive, 2-inch neodymium HF compression driver, Advanced 6th order crossover with HF protection, Sensitivity 1 W/1 m 103 dB, System Power Handling 1000 internally braced trapezoidal plywood/MDF enclosure, LCD display, 1-knob 12" woofer and 1.5" high-frequency titanium compression driver Power Handling.</p>	4 Nos.
7	<p>Premium Dynamic Vocal Microphone</p> <p>Robust clarity, forgiving, EQ-friendly performance, Superior off-axis rejection, Ultra-low handling noise, exceptionally cooperative tonal characteristics.</p>	4 Nos.
8	<p>Handheld System Dynamic Microphone</p> <p>14-hour battery life from two AA alkaline Rugged metal transmitter Metal receiver chassis with optional rack mount. One-step channel setup, cardioid dynamic microphone element.</p>	4 Nos.
9	<p>Lapel System Directional Microphone</p> <p>14-hour battery life from two AA alkaline Rugged metal transmitter Metal receiver chassis with optional rack mount. One-step channel setup, directional livelier microphone.</p>	2 Nos.
10	<p>Multi-Pattern Desk Microphone</p> <p>Automatic Mixer Logic, RF Shield, superior RFI/GSM shielding, Multi-pattern versatility, with option to choose between Omni, cardioid, super cardioid or hyper cardioid to easily adapt to any situation, Consistent</p>	2 Nos.

	microphone voicing across all four patterns, Switch can be programmed to operate as either latching on/off or momentary push-to-mute/push-to-talk, Disassembly of the mic shall not be required to change switch functions, Compatible with echo cancellation for conference applications, High visibility blue LED shall display mic status to the user, Good sound quality.	
11	UHF antenna/power distribution system for providing power and RF signals for 4 units with frequency band: 600 – 700 MHz.	1 No.
12	100 feet, 50 Ohm low loss semi-flexible coaxial cable with less than 3.5 dB loss per 100 feet at UHF frequencies with Terminated on both ends with TNC connectors.	1 No.
13	UHF Log Periodic Antenna including 10 Feet coax cable for remote mounting.	1 No.
14	Pure Oxygen Free Copper - NO CCA   Premium Quantity shall be as per site requirement.	Tentative Qty. 360m
15	16 Channel XLR SNAKE CABLE 50' long - 16 XLR sends and 8 XLR returns - Colour Coded, Numerically well labelled - Heavy Duty 50 feet long.	1 No.
16	42U Rack 800X1000 Size with all required accuracies.	1 No.
17	Wireless Headphone MIC	1 No.
18	15 KVA STABILIZER DJ/PA SYSTEMS COPPER STABILIZER FROM TIME DELAY RELAY SYSTEM, HIGH/LOW CUT OFF SYSTEM INPUT (130V-280V), OUTPUT (200V-250V), 45 AMPS.	1 No.
19	Installation, testing & commissioning of supplied Sound System for the auditorium	Complete Job
20	All required fittings & accessories like Cable, Connector, Hardware, Speaker Mounting Stand with required fabrication work as per site requirement, Jack/XLR Cable, 4 pin mic & speaker male connector etc. complete in all respect for sound system for the auditorium and as directed by Engineer-in-Charge.	Complete Job

**Note:** Speaker, Woofer, Monitor Speaker Shall be of the same Make. The firm shall submit datasheet of Products. The Sound System shall be of Professional Series.

**Signature & Seal of Firm**

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## **TERMS AND CONDITIONS**

1. **Time Schedule:** The work shall be completed within 60 days from the date of issue of Work Order.
2. **Bidder shall be Authorized Channel Partner of offered make of Sound System.**
3. The bidder, at his own responsibility and risk is encouraged to visit and examine the site of work and its surroundings and obtain all information that may be necessary for preparing the Bid. The costs of visiting the site shall be at the Bidders' own expense.
4. DPA will award the work to the bidder whose bid has been evaluated to be techno – commercially responsive and the lowest evaluated amount bid.
5. Work shall be guaranteed for 12 months from the date of completion of the work.
6. The rates should be quoted in figures and words both. In case of difference in figure & words, the rate mentioned in words will be considered.
7. The contractor shall affix SEAL along with SIGNATURE in the Offer.
8. The work shall be carried out in accordance with the best standards of workmanship and to the entire satisfaction of the Engineer in-Charge.
9. Security Deposit @ 5% recovered from the bill and the SD can be released only after successful completion of guarantee period.
10. **Payments Terms:**
  - i) 70% payment will be released after receipt of material at site in good condition, after obtaining insurance cover as per tender condition and after inspection & certification of the same by Third Party Inspection Agency appointed by DPA and after inspection & acceptance of material by DPA.
  - ii) 30% payment will be released after successful completion of whole work (if TPI appointed then after inspection & certification of the same by Third Party Inspection Agency) and handing over to DPA.All payments shall be made in Indian rupees unless specifically mentioned
11. Payment will be made by RTGS only after satisfactory completion of work and submission of duly signed bill.
12. The contractor shall not deposit any materials at such a place that may cause inconvenience to the public or staff or nearby offices.
13. The Contractor shall execute the work in such a way that not to cause inconvenience to the public or staff or nearby offices and not to cause hindrance. Necessary barricading shall be done by the contractor at his own cost if required.
14. Income-tax and surcharge as applicable will be deducted from the bill while making payment to the contractor for carrying out the work and only net amount shall be paid to the contractor.
15. All the materials should be got approved from Engineer-in-Charge before put into use.
16. All the rules and regulations governing DPA will be applicable.
17. After completion of the work, the site should be neatly cleaned by the contractor.
18. The contractor shall ensure not to cause any damages to the port properties in the vicinity of work site during execution of work. If any damage occurs due to workmen/

machinery of the contractor, the contractor has to make good the loss / damage at his cost.

19. For Entry & exist of material and contractor personnel, pass shall be arranged by firm.
20. The contractor shall quote the price exclusive of GST. The contractor shall quote prevailing GST rate separately, which shall be reimbursed by DPA after ascertaining necessary compliance as per Goods & Service Tax, 2017. All other duties, taxes, cesses applicable if any, shall be borne by the contractor.

Income-Tax deductions and surcharge as applicable thereon shall be made good while making payments due to the contractor for carrying out the work and only net amount shall be paid as directed by the Central Board of Direct Taxes, Ministry of Finance, Government of India.

The rates quoted by the contractor shall be deemed to be inclusive of the taxes, duties etc. which the contractor will have to pay for the performance of this contract, except GST. The employer will perform such duties in regard to the deduction of such taxes at sources as per applicable law.

21. All the work shall be carried out to the entire satisfaction of Engineer in-Charge.

Signature & Seal of Firm

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