



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: 26/11/2024

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.)

Superintending 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 02/12/2024. A soft copy of EOI is also acceptable through e-mail Id nikunj.solanki@deendayalport.gov.in & see@deendayalport.gov.in

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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			-/sd 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. 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. The work shall be executed to the satisfaction of the Engineer-in-Charge.

TECHNICAL SPECIFICATION

Sr. No.	Description of Item	Qty.	Offered OEM & Model Number
1	<p>10" Two Way Active Line Array Speaker System Frequency Range (-10 dB) 53Hz-19KHz & 60Hz-18KHz (-3 dB) Maximum SPL 135 dB Cover Pattern (-6 dB) 105 degrees nominal (400 Hz-16 kHz) Input Impedance 100 kΩ The product shall feature dual 10-inch neodymium Differential Drive woofers with 2" Voice coil and a 3" compression driver with 3" Voice coil Continuous Peak Power Rating 800 Watt with Class D Amplifier Polypropylene, aluminum baffle, plywood internal bracing, four integral recessed handholds.</p>	12 Nos.	
2	<p>Line Array Handling Frame Compact and lightweight design, Black powder coat, Two-part collapsible design, High-grade steel with anti-corrosion coating, Support for third-party laser inclinometers, Compatible shackle size: 1/2 inch.</p>	3 Nos.	
3	<p>18" Dual Active Subwoofer Speaker System Frequency Range (-10 dB) 31Hz-100Hz & 39Hz-80Hz (-3 dB) Maximum SPL 140 dB (Preset 80 Hz) Cover Pattern (-6 dB) Omnidirectional or Cardioid Input Impedance 100 kΩ The subwoofer shall house two 18-inch woofers, 3" dual voice coil, dual gap technology to deliver better heat dissipation, lower power compression, and wider dynamic range than conventional single coil design. Peak Power Rating 2500 Watt with Class D Amplifier.</p>	4 Nos.	

4	<p>15" Powered Two Way PA Loudspeaker</p> <p>Frequency response: 48 Hz-19 kHz @4pi (-10 dB); 60 Hz-16 kHz @4pi (-3 dB)</p> <p>Maximum SPL 133 dB</p> <p>Crossover frequency 1920 Hz</p> <p>Two-way 15" ferrite magnet woofer built entirely from the ground up to most advanced acoustic innovations. A next-generation driver system powered by an ultra-efficient Class D amplifier delivers clarity and definition at maximum volume, with leverage improved dispersion and smooth low-frequency extension.</p> <p>Optimized presets for pairing full-range speakers with subwoofers</p> <p>Peak Power Rating 1000 Watt.</p>	6 Nos.	
5	<p>Loudspeaker System Controller</p> <p>12 mic/line level inputs, 8 line level outputs, electronically symmetric, Frequency Response 20 Hz to 20 kHz (± 0.5 dB), Signal to Noise Ratio > 115 dB, THD+N < 0.002 %, Common Mode Rejection > 70 dB, Sampling rate 48 kHz / 96 kHz, Dante synchronized, Signal Delay / Latency Analog In to Analog Out, 48 kHz / 96 kHz < 0.45 ms / < 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.	
6	<p>24 Channel Compact Mixing System</p> <p>Intuitive mixer with 24 input channels (16 Mono + 4 Stereo Line), 4 GROUP Buses + ST Bus, USB Device, 1 Matrix out, 48V Phantom Power per Channel, Bluetooth support.</p> <p>8 REV & 16 SPX Effect processor.</p>	1 No.	
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>	10 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</p>	2 Nos.	

	mount. One-step channel setup, cardioid dynamic microphone element.		
9	Lapel System Directional Microphone 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.	1 Nos.	
10	Multi-Pattern Desk Microphone 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 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.	1 Nos.	
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.	As per Site Requirement	
13	UHF Log Periodic Antenna including 10 Feet coax cable for remote mounting.	As per Site Requirement	
14	Pure Oxygen Free Copper - NO CCA Premium Quantity shall be as per site requirement.	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.	As per Site Requirement	
16	Suitable Rack/Stand for Sound System with required accessories.	Complete Job	
17	Wireless Headphone MIC	1 No.	
18	15 KVA Voltage Stabilizer Copper made with Time Delay Relay System, High & Low Cut Off System, Input (130V-280V), Output (200V-250V), 45 Amp.	3 Nos.	

19	Microphone Stands with boom. Height: approx. 202 cm. Spread: approx. 64 cm.	5 Nos.	
20	Table Microphone Stands/ Small mic stand: Height: 35-53cm. Base dia: approx.15 cm.	5 Nos.	
21	Installation, testing & commissioning of supplied Sound System for the auditorium.	Complete Job	
22	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 offered Products. The Sound System shall be of Professional Series.

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Signature & Seal of Firm

**Superintending Engineer (E)
Deendayal Port Authority**

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

-/sd
Superintending Engineer (E)
Deendayal Port Authority