



नव मंगलूर पत्तन प्राधिकरण  
**NEW MANGALORE PORT AUTHORITY**  
यांत्रिक अभियंता विभाग  
**Mechanical Engineering Department**  
इलेक्ट्रिकल इंजिनियरिंग डिविजन, पणंबूर, मंगलूर  
**Electrical Engineering Division**  
**Panambur, Mangalore - 575010**

E-mail: [ele-section@nmpt.gov.in](mailto:ele-section@nmpt.gov.in)  
GSTIN: 29AAALN0057A2ZG

Phone: 0824 2887750/740/738  
Fax: 0824 2408200/2408300

No.8/3/2023/Ele. Dvn/EQ/05/04

Date: 25.05.2023

To,

Sir,

Sub: -NMPA-EE (E) - "Replacement of Public Address System provided in the Auditorium of NMPA by new system" - Quotation invited - Reg.

Quotation in sealed covers superscribed as "Replacement of Public Address System provided in the Auditorium of NMPA by new system" invited in accordance with the instructions to the Tendered Terms & Conditions as detailed below, may please be submitted addressed to "**The Executive Engineer (Elec.), Electrical Division, Administration Building, New Mangalore Port Authority, Panambur, Mangalore - 575010**" not later than **3.00 PM on or before 01.06.2023**. Quotation will be opened on the same day at 3.30 PM in the presence of the tenderers who wish to be present.

SL No.	Description of work	Qty	Rate Rs.	Rate in words	Amount Rs.
1	Wall mounted High performance 2-way passive Speaker with brackets. (As per Technical Specification - <b>Annexure I</b> )	4 Nos.			
2	Amplifier (As per Technical Specification - <b>Annexure I</b> )	1 No.			
3	High-end Channel Mixing console. (As per Technical Specification - <b>Annexure I</b> )	1 No.			
4	Podium Microphone (Gooseneck) (As per Technical Specification - <b>Annexure I</b> )	2 Nos.			
5	Wired Microphone. (As per Technical Specification - <b>Annexure I</b> )	2 Nos.			
6	Wired Microphone Stand-Big. ) (As per Technical Specification - <b>Annexure I</b> )	2 Nos.			
7	Wireless Dual Channel Receiver with Wireless Microphone - Handheld & Lapel (As per Technical Specification - <b>Annexure I</b> )	2 Sets			
8	Monitor (2-way Bi-Amplified Active Loudspeakers) (As per Technical Specification - <b>Annexure I</b> )	1 Set			

9	Dual Core 1.5 sq.mm Copper Speaker wire	50 mtrs			
10	19mm Casing and Capping	20 mtrs			
11	Installation, Testing and Commissioning of complete system	LS			
	Total				
	Applicable GST				
	Grand Total				

**TERMS & CONDITIONS:**

1. The rate quoted for the items shall be firm and F.O.R destination basis. Please note that NMPA is not issuing any concessional C or D forms.
2. The Tenderer shall submit GST Registration Certificate along with their offer, without which the offer will be rejected.
3. Applicable GST will be paid as extra as per actual.
4. The time allowed for Replacement of Public Address System provided in the Auditorium of NMPA by new system is **30 days** from the date of issue of work order.
5. Please note that no advance payment will be made. But payment will be made within 15 days after satisfactory completion of Work.
6. The Tenderers should quote their rates in figures as well as in words the amount tendered by them. The amount per each item should be worked out and requisite total should be given. All rates shall be quoted in proper form in the tender schedule enclosed. The rates quoted should be valid for **90 days**.
7. The Speakers, Amplifier, Channel Mixing Console, Podium Microphone (Gooseneck), Wire Microphone, Microphone Stand-Big, Wireless Dual Channel Receiver with Wireless Microphone - Handheld & Lapel, Monitor (2-way Bi-Amplified Active Loudspeakers) Dual Core 1.5 Sq.mm Copper speaker wire, 19mm Casing and Capping to be supplied should conform to the Technical Specifications – **Annexure – I** and standards of IS. **The Tenderer shall submit the Technical Brochure of above items along with their offer.**
8. The complete work of Replacement of Public Address System provided in the Auditorium of NMPA by new system shall have guarantee period of **one year** after successful completion of work.
9. **The Tenderer may visit the work site and get acquainted himself with the site conditions, nature of work involved before tendering.** Any assistance, in this regard will be provided by the department under prior appointment and the undersigned may be contacted for the purpose.
10. The Tenderer shall be responsible for making good of all the damages done during the work and has to employ skilled & competent workers for carrying out the work.
11. The Tenderer shall be responsible for taking precautionary measures for the safety of the workman working under them and the responsibility arising due to any mishap during the execution of work, the payment of any compensation etc., lies entirely on the part of the Contractor.

12. No tools, plant, Labour, equipment, transport, etc., required for the work will be supplied departmentally and contractor has to make his own arrangements.
13. The evaluation shall be done on the basis of total lowest value (L1) quoted. The GST element if any will not be considered for evaluation.
14. The acceptance of the tender will rest with competent authority of NMPA who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason.
15. LIQUIDATED DAMAGES:
  - i. In case of delay in completion of the contract, liquidated damages (L.D) may be levied at the rate of 0.5% of the contract price plus applicable GST per week of delay, or part thereof subject to a maximum of 10 per cent of the contract price.
16. Department standard operating procedure will be shared with the successful bidder before commencing the work and an undertaking will be obtained for complying with the same. In case if the Contractor does have a defined SOP for carrying out the work, the same shall be scrutinized and approved by the Executive Engineer (E)-I for its applicability.
17. If the Tenderer after award of work/contract fail to execute the work in the specified allotted period, then the Tenderer shall be debarred for a period of three (3) years from participating for tenders at New Mangalore Port Authority.

Seal and sign of Tenderer

  
Executive Engineer (E)  
Electrical Division, NMPA

25/5/23

## Technical Specification

### **1) High -performance 2-way passive Speakers:**

- a) Power Output-(RMS/Peak)Watts-120/240
- b) Free Response (Hz): 70-18000
- c) Impedance(ohms): 8
- d) Sensitivity (db): 96
- e) Max SPL(db): 123
- f) LF Driver Size: 8" woofer with 1.5" voice coil
- g) HF Driver Size: 1" exit with 1.34" voice coil
- h) Speaker in a plastic moulded cabinet

### **2) Amplifier:**

- a) Stereo(True RMS)W-4 ohms/8 ohms, 2x250/2x165
- b) Bridged(True RMS)W-8 ohms/525
- c) Protection-Temperature, DC, Short Circuit, and Soft-Start.
- d) Input Connector-XLR and ¼"TRS jack
- e) Output Connector Speakon, Binding Posts and ¼" TRS jack
- f) BIS Approved

### **3) High-end Channel Mixing console:**

- a) Max 6 mic/12 line Inputs(4mono+4stereo)
- b) 2 Group buses + 1 stereo bus
- c) 2 AUX (incl.FX)
- d) "D-PRE" mic preamps with an inverted Darlington circuit
- e) 1-Knob compressors
- f) High-grade effects: SPX with 24 programs
- g) 24-bit/192KHz 2in/2out USB Audio functions
- h) Includes Cubase AI DAW SOFTWARE download version
- i) PAD switch on mono input
- j) +48V phantom power
- k) XLR balanced output
- l) Internal universal Power supply for world-wide use
- m) Metal chassis

### **4) Podium Microphone (Gooseneck Microphone) with base and switch control and on/off signal light:**

- a) Audio frequency range: 80 -18,000Hz
- b) Nominal Impedance: 220 ohms
- c) Sensitivity: 16mV/Pa
- d) Max. Sound pressure: 125db
- e) Polar pattern: supercardioid
- f) On/Off switch, low switch noise
- g) Transmission method: cable
- h) Connection: XLR, bal
- i) Accessories: 10 mtrs. XLR-jack cable
- j) Power: Battery
- k) Length: 18"

**5) Wired Microphone:**

- a) Audio frequency range: 50 -16,000Hz
- b) Nominal Impedance: 600 ohms
- c) Sensitivity: 1.8mV/Pa
- d) Max. Sound pressure: 147db
- e) Polar pattern: cardioid
- f) On/Off switch
- g) Power: Battery
- h) Housing material: diecast metal
- i) Transmission method: cable
- j) Connection: XLR, bal
- k) Accessories: 6.5 mtrs XLR-jack cable

**6) Microphone Stand – Big with Heavy Base:**

- a) Size: 5/8" 27TPI
- b) Height: 920 – 1500mm
- c) Base Dia: 230mm
- d) Surface finish-Chrome plating,
- e) Material-Stainless steel

**7) Wireless Dual Channel Receiver with Wireless Microphone - Handheld & Lapel**

- a) Receiver: Dual Channel Non-Diversity
- b) Frequency Response: 40Hz-16kHz
- c) Polar Pattern (Hand & Lapel): Cardioid
- d) Output -Individual Channel: XLR, Mix Out: 1/4" jack
- e) Power - (Hand & Lapel mic.) : 2 x1.5V AA  
Receiver                      240V AC/50HZ Adaptor (supplied with Set)

**8) Monitor (2-way Bi-Amplified Active Loudspeakers)**

- a) Mixer Channel- 2
- b) Frequency Range: 40Hz-20kHz ± 3db
- c) Power Output: (RMS/Peak) Watts - 200/400
- d) Dimensions (W x D x H) mm - 280x240x435
- e) Driven by efficient class D Amplifier
- f) Easy DSP sound presets (flat/speech/music/live/club)
- g) USB/SD card MP3 media player with Bluetooth
- h) True wireless stereo for pairing two units
- i) XLR mix out for linking additional speakers
- j) Built-in soft clip limiter for speaker protection
- k) Integrated stand mounting socket
- l) Plastic moulded cabinet with a wood grain finish
- m) Max SPL(db): 121
- n) LF Driver size-8"woofer with 2" voice coil
- o) HF Driver size-1" exit with 1.35" voice coil
- p) Input connector-Stereo RCA & 2x XLR-jack
- q) Output connector-Balanced XLR