

BERHAMPUR MUNICIPAL CORPORATION

RFP No. 10153

Date:09.08.2019



Request for proposal (RFP) for Public Address System(PAS) in Berhampur City

Issued by:

Berhampur Municipal Corporation

Berhampur, Odisha-760002

Contact – 0680-2250290

email – mcbemc08@gmail.com

BERHAMPUR MUNICIPAL CORPORATION BERHAMPUR

Bid Identification No. 10153

Dtd.09.08.19

REQUEST FOR PROPOSAL

1. Berhampur Municipal Corporation invites sealed proposal in conformity with RFP documents in Two Bid System (Part-I: Technical Bid and Part-II: Price Bid) through Registered Post/ Speed Post to the office of the undersigned from Registered firms / System Integrators for establishing Public Address System in designated locations under Berhampur Municipal Corporation.

More details provided in this RFP document.

Sl.No	Name of Work	Contract Period	Cost of bid document in Rs. (Non-refundable)	EMD in Rs.	Period of Sale of Bid	Date of Opening of Technical Bid
1	2	3	4	5	6	7
1	Public Address System in Berhampur Municipal Corporation area.	5 Years	Rs.6720/- (including GST)	Rs. 40000/- (Rupees Forty Thousand Only)	From 09.08.2019 at 10.00 AM to 24.08.2019 by 05.00 PM	27.08.2019 at 11.00 AM

The details of the bid and bid document can be downloaded from official website i.e. www.berhampur.gov.in.

Any clarification can be obtained in the office of the undersigned.

The Authority reserves the right to accept or reject any or all bids without assigning any reason thereof.

Sd/08.08.2019

Commissioner

Berhampur Municipal Corporation

Memo No. 10154

Dt. 09.08.19

Copy submitted to the Principal Secretary to Govt., H& UD Dept, / Director, Municipal Administration H. & U.D. Dept., Govt. of Odisha, for favour of kind information.

Sd/08.08.2019

Commissioner

Berhampur Municipal Corporation

Memo No. 10155

Dt. 09.08.2019

Copy submitted to the Collector, Ganjam, Chatrapur for favour of kind information with a request to please display a copy of this Notice in his Office Notice Board for wide circulation and information of all concerned .

Sd/08.08.2019

Commissioner

Berhampur Municipal Corporation

Memo No. 10156

Dt. 09.08.2019

Copy submitted to the Tahasilar, Berhampur for information and he is requested to attend the Bid opening on the date scheduled.

Sd/08.08.2019

Commissioner

Berhampur Municipal Corporation

Memo No. 10157

Dt. 09.08.2019

Copy forwarded to the Steno to Administrator, Berhampur Municipal Corporation / P A to Municipal Commissioner/ Steno to the City Engineer/ Steno to Exe. Engineer, Berhampur Municipal Corporation for information and necessary action.

Sd/08.08.2019

Commissioner

Berhampur Municipal Corporation

Memo No. 10158

Dt. 09.08.2019

Copy to Office Notice Board / Spare Copies to the Concerned Files for reference and record and information of all concerned.

Sd/08.08.2019

Commissioner

Berhampur Municipal Corporation

Introduction :

Berhampur Municipal Corporation invites Request for Proposal(RFP) in Two-bid forms for “Public Address System” in designated locations under BeMC from reputed organizations/ System Integrators with proven experience in similar field.

Bid Data Sheet:

Availability of Bid Document	Bid Documents can be downloaded from the official website: www.berhampur.gov.in
Cost of Bid Document	Rs. 6720/- (including GST) which is non-refundable.
Earnest Money Deposit	Rs.40,000/- (Rupees Forty Thousand Only)
Downloading of Bid Document	From 09.08.2019 at 10.00 AM to 24.08.2019 by 5.00 PM
Pre-Bid Meeting	19.08.2019 At 11.00 AM
Last Date of Receipt of filled-up Bid Documents	26.08.2019 by 5.00 PM
Date & Time of Opening of Technical Bid	27.08.2019 at 11.00 AM
Date & Time of opening of price bid	To be intimated to the respective bidder who qualify the Technical Evaluation
Address for Communication	COMMISSIONER BERHAMPUR MUNICIPAL CORPORATION, BERHAMPUR Phone : 06802250290 Email: mcbemc08@gmail.com (All communications, including the envelopes, should contain the following information, to be marked at the top in bold letters: - “BID DOCUMENT FOR PUBLIC ADDRESS SYSTEM”)

General Instructions and Eligibility Criteria to the bidder:

1. The Bidder should submit the Bid cost of Rs. 6720/- (including GST) Non refundable in form of DD in favour of Commissioner, Berhampur Municipal Corporation, Berhampur.
2. The bidder should submit EMD of Rs. 40,000/- (Forty Thousand only) in shape of DD in favour of Commissioner, Berhampur Municipal Corporation payable at Berhampur.
3. The bidder should submit the bid in two covers i.e. one is TECHNICAL and other is FINANCIAL Cover clearly written on the cover.
4. The Financial Bid will be opened for those who qualifies in the Technical Criteria.

5. The Award will be made on the basis of financial bid.
6. The successful bidder should submit 2% of the total work value as Bid Security in shape of Bank Guarantee.
7. The Contract is for 5 years.
8. The total 5 years comprehensive warrantee on all product will be given by the bidder.

The bidder must possess the requisite experience, strength, technical know-how and capability in providing the services necessary to meet the requirements as described in the RFP document(s). The invitation to proposal is open to all bidders who qualify the eligibility criteria as given below:

- The bidder is registered firm with ISO Certification.
- The Bidder should submit the PAN, GST Regn.
- The bidder should have minimum Average Annual Turnover of Rs.1 Cr, in last three consecutive years.
- The Bidder should have positive net worth as on the closing date of each of last financial year.
- The bidder should submit the Audited Balance sheet of last 3 years.
- Authorisation from Genetec Command Control Integration specific to this project.
- The bidder should not be blacklisted or debarred by any Govt. Organizations. Declaration to this effect must be submitted with bid.

All the above documents are mandatory, failing to produce any one of the documents lead to rejection of bid. Before quoting the bid, the bidders are encouraged to visit the existing Command and Control Centre at BeMC.

Scope of Work

Berhampur Municipal Corporation is interested to place Public Address System in 5 designated locations i.e. at Courtpetta Square, Kamapalli, PVN Rao Square, Tata Benz and Gate Bazar Square. The design and components should be compatible to the existing system available with BeMC.

The broad scope of work for the implementation of Public Address System is as under:

- Existing Unified Command and control software integration.
- City wise plan manager deployment to view all the activity on a single city map view.
- Real-Time Map-Based CentralMonitoring.

Operations, Maintenance and Support

Operation, Maintenance and day to day support for the Project given by the Bidder at approved cost of O&M.

SERVICE TERMS:

- The entire scope of the work depends on the technical skill and experience in management of the same level or kind of infrastructure.
- It is mandatory for Bidder to deploy qualified professional to install, commission & maintain the proposed Network, as defined under scope of work.
- The Bidder has to submit regular schedule of man power availability & get it approved by TENDERER, before deployment.
- The Bidder will have to carry out reinstallation of any of the equipment 'Free of Cost, if required.
- The Bidder need to manage & maintain various records related to the services extended to the Government.
- In case of failure of any system or equipment, the Bidder needs to replace or repair the faulty part/component/device to restore the services at the earliest. The cost of the repairing or replacement of faulty Cable/component/device has to be entirely born by the Bidder.
- All expenses related to cable/component/device, including hiring of specialized technical expertise, in case required, has to be borne by the Bidder as part of Contract Agreement.
- Bidder shall submit test procedures covering various test cases and expected results of these tests relating to various systems being commissioned for the network.
- The bidder should required to undertake the insurance for all components of the Project which has been procured under this RFP.

Specification for Public Address System

Functional Requirement of PAS:

Sr. No.	Description	Compliance (Yes / No)
1	The PAS can be used by BeMC to disseminate information to road users/public.	
2	IP Public Address system shall enable an operator to remotely address people and deter unwanted activity. The IP loudspeaker can also play a pre-recorded audio file when it is manually or automatically triggered in response to an alarm event. Support Voice over IP (VoIP) telephony systems that use SIP (Session Initiation Protocol).	
3	The objective of the voice based sub-system is to disseminate the information to the citizens particularly during emergencies for the messages to reach quickly.	
4	The system should have the capability of designing the messages based on the situation or context for broadcasting across PAS.	

5	The PA system shall provide provision for emergency announcements to be made on per-location, selection of locations, or a system wide basis.	
6	The PA system shall have provision for announcements to be made from two central locations.	
7	The requirements of local noise level standards & by-laws shall be respected by this system.	
8	The system should have the ability to schedule category wise system messages or overall messages in advance for a period of time to selective or all PAS locations.	
9	Ability to categorize the messages as per the business need and able to configure as per category.	
10	All firmware found in products shall be the latest and most up-to-date provided by the manufacturer.	
11	The System should support multiple Zone.	
12	System should support SIP,VOIP protocol.	
13	The PA system software should be work with existing Genetec software as an unified platform without any third party software integration	

IP Based Horn Speaker for Outdoor Use

Sr. No	Description	Required Parameters	Compliance (Yes/No)
1	Audio	One-way/two-way (mono)	
2	compression	G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, μ -law 16 kHz, Configurable bit rate	
3	input/output	Built-in microphone with frequency 50 Hz - 16 kHz (for testing purpose)	
4	Max sound pressure level	>120 dB	
5	Frequency response	280 Hz -12.5 kHz	
6	Coverage	Minimum 68° horizontal by 95° vertical (at 2 kHz)	
7	Built In Amplifier	7 W Class D amplifier	
8	Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication, User access log	
9	Supported protocols	IPv4/v6, HTTP, HTTPS, SIP, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKS, SSH	

10	Audio functionality	2. The horn speaker shall support SIP for integration with VoIP, peer-to-peer or integrated into SIP/PBX	
11	Language	The horn speaker shall provide a function for altering the language of the user interface, and shall include support for at least 10 different languages	
12	Installation and Maintainance	The horn speaker shall include a test functionality allowing a test tone sequence to be generated and measured by the built-in microphone to verify full functionality	
13	API	Horn speakers shall be fully supported by an open and published API (Application Programmers Interface), which shall provide necessary information for integration of functionality into third party applications	
14	Firmware	The firware upgrade shall be done though web interface, The firmware shall be available free of cost	
15	Audio Speaker test	Shall be available for testing speaker functionality	
16	Event triggers	Call, Virtual inputs	
17	Event actions	File upload via HTTP/network share/ email Notification via email, HTTP and TCP Play audio clip Send Auto Speaker Test Send SNMP trap Status LED	
18	Built-in installation aids	Test tone	
19	Functional monitoring	Auto Speaker Test, Connection verification, Built-in system logging	
20	Housing	Impact-resistant aluminum, IP66-, IP67- and NEMA 4X-rated	
21	Built in Memory	256 MB RAM, 256 MB Flash	
22	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 (max 14 W)	
23	Connectors	RJ45 10BASE-T/100BASE-TX PoE	
24	Operating Temperature	-20°C to 50 °C	
25	Operating Humidity	Humidity 10–100% RH (condensing)	
26	Certification	EN, CE, FCC, UL, IEC	
27	Warranty	5 Years OEM Warranty	

IP Based SIP microphone

Sr. No	Description	Required Parameters	Compliance (Yes/No)
1	Supported zones.	Server-less paging to up to 12 zones	
2	Audio Stream	SIP2.0, RTP multicast	
3	Audio codecs	G.711u, G.722	
4	Speakers	2 built-in, stereo, power output 2x1 W	
5	Pre-recorded announcements	Upload or record a message via the microphone and then play it by simple push of a button to a designated zone.	
7	IP PBX (SIP)	Support device may function independently or be simply connected to IP PBX	
8	Power	12 to 32 V, power draw max. 1 A PoE to 802.3af standard	
9	Logical inputs	2, galvanically separated, sensitive to contact or voltage from 5 to 48 V	
10	Relay output	1, galvanically isolated, NO and NC contact, max load 48 V, 1 A	
11	Headphone output	3.5 mm jack, stereo, power output 2x30 mW, min. load impedance of 16 Ohm, DR. 101 dB, THD+N -85 dB	
12	Primary microphone input	symmetric, XLR, integrated phantom power supply 24 V, DR 88 dB, THD+N -82 dB	
13	Headset microphone input	3.5 mm jack, integrated power, supply for electret microphones, DR 84 dB, THD+N -78 dB	
14	Line input	3.5 mm jack, mono or stereo non-symmetric stereo, DR 93 dB, THD+N -82 dB	
15	Operating temperature	0-40°C	
16	Connectors	RJ45 10BASE-T/100BASE-TX PoE	
17	Warranty	5 Years OEM Warranty	

FINANCIAL BID SUBMISSION :**The Details Bill of Materials and Financial Bid submission as detailed below:**

SL. NO.	Product Description	Quantity	Unit Rate(INR)	Amount
1	Command and Control Base Package for PA integration	1		
2	1 Standard Connection to an Intercom Station	10		
3	Advanced Add-on for 1 Standard Connection providing failover and bidirectional audio and video recording.	10		
4	Support Pack for Advanced Intercom connection	10		
5	Support Pack for Standard Intercom connection	10		
6	Outdoor Network E-Horn Speaker (PoE)	10		
7	2N SIP Mic allows paging to several zones with a simple push of a button. It is ideal for live or pre-recorded announcements. It has a built-in audio-management server for configuration, which means less equipment as well as flexible, easy and cost-efficient installation. The network microphone connects to standard networks using Poe.	2		
8	Cat 6 Cable -305 Mtrs,	2		
9	Installation	1		
	TOTAL			
10	O&M 2 nd year	1		
11	O&M 3 RD year	1		
12	O&M 4 TH year	1		
13	O&M 5 TH year	1		

(The above Quoted price should be inclusive of all taxes)

Implementation time line:

The bidder should complete the work within 60 days of getting the work order.

The undersigned has the right to Accept or reject any or all the bids without assigning reason thereof.

Sd/08.08.19
Commissioner
Berhampur Municipal Corporation