

BERHAMPUR MUNICIPAL CORPORATION

RFP No. 15859

Date 28/09/18



**Request for proposal (RFP) for
City Wi-Fi
(Design, Built, and Operations & Maintenance)
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. 15859

Dtd. 28/09/18

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 Internet Service Provider for establishing City Wi-Fi in designated locations under Berhampur Municipal Corporation.

More details provided in this RFP document.

Sl.N o	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	Supply & Establishment of Infrastructure Setup (Hardware + Software) for City Wi-Fi under Berhampur Municipal Corporation.	3 Years	Rs.11200/- (including GST)	Rs. 70,000/- (Rupees Seventy Thousand Only)	From 29.09.2018 at 10.00 AM to 20.10.2018 by 05.00 PM	23.10.2018 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.



Commissioner

Berhampur Municipal Corporation

Memo No. 15860

Dt. 28/09/18

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



Commissioner

Berhampur Municipal Corporation

Memo No. 15861

Dt. 28/09/18

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 .



Commissioner
Berhampur Municipal Corporation

Memo No. 15862

Dt. 28/09/18

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



Commissioner
Berhampur Municipal Corporation

Memo No. 15863

Dt. 28/09/18

Copy forwarded to the Steno to Mayor, 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.



Commissioner
Berhampur Municipal Corporation

Memo No. 15864

Dt. 28/09/18

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



Commissioner
Berhampur Municipal Corporation

Introduction :

Berhampur Municipal Corporation invites Request for Proposal(RFP) in Two-bid forms for “ City Wi-Fi” in designated locations under BeMC from reputed Internet Service Providers 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. 11200/- (including GST) which is non-refundable.
Earnest Money Deposit	Rs. 70,000/- (Rupees Seventy thousand Only)
Downloading of Bid Document	From 29.09.2018 at 10.00 AM to 20.10.2018 by 5.00 PM
Last Date of Receipt of filled-up Bid Documents	22.10.2018 by 5.00 PM
Date & Time of Opening of Technical Bid	23.10.2018 at 11.00 AM
Date & Time of opening of price bid	23.10.2018 at 04.00 PM
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 CITY WI-FI”)

General Instructions and Eligibility Criteria to the bidder:

1. The Bidder should submit the Bid cost of Rs. 11200/- (including GST) Non refundable in form of DD in favour of Commissioner, Berhampur Municipal Corporation, Berhampur.
2. The bidder should submit EMD of Rs. 70,000/- (Seventy Thousand) 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 3 years (Design, Built, Operate and Maintenance)
8. The total 3 years comprehensive warranty on all the 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 ISP registered in Odisha.
- The Bidder should submit the ISP Registration, PAN, GST Regn.
- The bidder should have minimum Average Annual Turnover of Rs.5 Cr, in any of the last three consecutive years.
- The bidder should submit the Audited Balance sheet of last 3 years.
- The bidder should not be blacklisted or debarred by any Govt. Organizations. Declaration to this effect must be submitted with bid.
- The bidder should have permanent office in Odisha preferably at Berhampur.

Scope of Work

Berhampur Municipal Corporation is interested in creating Wi-Fi hotspots at designated locations across the City. The Wi-Fi hotspots shall utilize a dedicated internet bandwidth to be provisioned by the selected vendor.

The broad scope of work for the implementation of City Wi-Fi is as under:

1. To provide a turn-key solution (hardware, software, operations, maintenance & support, etc.) enabling public Wi-Fi hotspots across City, for providing wireless internet (Wi-Fi) access to the citizens and tourists in Berhampur using any Wi-Fi enabled devices (laptops, mobile devices, tablets etc.).
2. The participating vendors shall propose a complete solution including provisioning of bandwidth, design, supply, installation, configuration, activation, operations, maintenance, monitoring, support etc. of the City Wi-Fi project including the requisite manpower as well for the management of the project.
3. The following areas will be covered as detailed below:
 - i. Municipal Corporation area.
 - ii. Ramlingam Tank
 - iii. Girija Square.
 - iv. Annapurna Market via Urban Bank Road.
 - v. Old Busstand
 - vi. Giri Market square
 - vii. Biju Patnaik Park area.
 - viii. Town Hall

- ix. Khallikote college square area
- x. Public Library, State Bank Road area
- xi. Sports Arena near Baikuntha Nagar

4. The proposed solution must provide unlimited internet access to end users with a provision to control the access by bandwidth and / or duration. The system should have option to give Advertisement about Govt. Schemes to inform the users

5. Functional Requirement Specifications:

The overall system should meet (but not limited to) the following functional requirements:

1. At each hotspot, the Wi-Fi service shall be available across a radius of at least 70 meters.
2. The selected vendor must be able to manage, monitor, control and optimize the bandwidth allocation / distribution across all the proposed hotspots as per the requirements.
3. At each Wi-Fi hotspot, at least 70 concurrent users should be able to access Wi-Fi internet facility at the same time without any decrease in minimum bandwidth guarantee of 512 Kbps at each user level.
4. The system shall be capable of controlling the bandwidth at user level to prevent the users from monopolizing all the bandwidth e.g. by downloading videos. The system should have rules on restriction of websites.
5. The Wi-Fi solution proposed by the vendors shall not be based on any restrictive technology that prevents other service providers to setup similar services in the area.
6. The system shall be able to provide access to any device which is Wi-Fi enabled, regardless of software (operating system and browser) of the device.
7. The system shall be able to provide complete coverage in the areas identified, including but not necessarily inside the buildings.
8. The system shall be scalable for future expansion without capacity throughput or other performance constraints. It shall be able to add new Wi-Fi hotspots as per requirement of BeMC in a plug-n-play mode.
9. The system shall be able to provide real time performance monitoring, management and reporting. The system shall be capable of monitoring each site / location individually.
10. The system shall comply with all the applicable guidelines, laws and legislative requirements laid down by DoT / TRAI or any other agencies authorized by Govt. of India.
11. The system shall not violate any radiation standards specified by DoT / TRAI or any other agencies authorized by Govt. of India.
12. The system / equipment proposed to be installed at the identified locations shall not pose any threat to the residents or public property.

Operations, Maintenance and Support

1. The selected agency will have to provide full operational, maintenance and technical support during the entire period of the contract.
2. The selected agency shall be responsible for managing and monitoring the complete architecture of the City Wi-Fi during the entire period of contract.
3. All the Wi-Fi hotspots shall be managed by a centralized Wi-Fi management software and Wi-Fi controller. User credentials for MIS access to the software must be shared by the selected agency with BeMC.
4. In case of non-utilization of Wi-Fi services at any of the Wi-Fi hotspot, the selected agency shall relocate the same to other feasible location as per the directions of BeMC.
5. During the duration of the contract, the selected agency shall be required to conduct periodic checks of the deployed solution for performance & security, and further perform continuous network monitoring on behalf of BeMC.
6. The selected agency shall be required to provide necessary information, support and MIS reports in the desired format to the BeMC
7. The selected agency shall be required to setup and operate 24x7 helpdesk customer support system (Toll free numbers) and web based complaint / feedback registration system for end users.
8. In order to provide better services, the selected agency would set-up response teams to address technical, outage or other network issues at the sites.

Data Maintenance & Security:

1. The selected agency shall ensure that user information is secured and is not accessible to any unauthorized entity. It must also be ensured that solution is designed for end-to-end security for the network to prevent any unauthorized changes and use of the network. User / usage specific data
2. The system must be able to generate detailed reports on: Complaints / feedback submitted by the end users
3. Utilization report of each Wi-Fi hotspot etc.

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.

Implementation time line:

The bidder should complete the work within 45 days of getting the work order.

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

The details of Technical Infrastructure (including but not limited to):

Product	Quantity
Finolex/USA Martin Fibre	9 Kms (Approx)
Gigabit 4 port GPON OLT	01
GPON-SM-PON SFP Modules	01
1:4 Splitter	01
GOPON – 0400 ONU	27
Ubiquiti AC Mesh Pro/ Ubiquiti AC Mesh AP	27
Good Quality LC Patch Cord-MX	27
Ubiquiti Air Pro Mimo AP Antena	27
Outdoor weather proof casing	27
Edge RPOE Switch	27
GI Wire Bundle	60
50:50, 20:80 Splitter	30
Electric Board 2 power port at every point	27
Electric Wire: 300m	300m
Xeon Server : 16GB RAM, 500 GB SSD, 1TB HDD, DVD Drive, 2 High End Gigabit Ethernet ports for NAT and Bandwidth Management Server	01
Inter Core i5 Server: 8GB RAM, 1TB HDD, DVD, 2 Gigabit Ethernet ports for Radius Server.	01
Mikrotik Core Router	01
Dell Wireless and Keyboard (Combo)	01
Microtek 1.1 KW SW Inverter UPS	01
Tall Tubular Battery: 150 Ah	01
Ethernet Cable CAT6	900m
UPS 1100VA 230V	25



Commissioner

Berhampur Municipal Corporation

FINANCIAL BID FORMAT

Sl.No.	Particulars	Unit	Quoted Amount	
			In Words	In Figures
1	Supply and Installation of Hardware Infrastructure/ Software setup including IP Pool for 3 years (one time)	1		
2	Installation charges(one time)	1		
3	Annual Bandwidth cost(250 MBPS) 1:1 (Annually)	1		
4	SMS and OTP Integration (Annually)	1		
5	Annual Maintenance charge (From 2 nd year onwards) (Annually)	1		
Part-I	Total Bid Cost(1+2+3+4)			
Part-II	Recurring Charges(3+4+5)			

(All the items should be inclusive of all taxes)

Signature of the Bidder