

MUNICIPAL CORPORATION BHILAI
G.E. Raod , Supela Bhilai (C.G.) 490023
Financial Offer

Name of work :- Installation of Video Conferencing system unit at Bhilai Municipal Corporation

| S.No. | Name of Items | Qty | Unit Price (In Rs) | Total Amount (In Rs.) |
|--------------|--|-----|----------------------|--------------------------|
| 1 | HUDDLE CAMERA - Full HD Pan Tilt Zoom USB camera that provides a 1080p30 video signal, a 72-degree horizontal field of view, and 12x optical zoom and 16x digital | 1 | | |
| 2 | COLLABORATION UNIT | 1 | | |
| 3 | ONE CABLE CONNECTION HUB - OCC Hub | 1 | | |
| 4 | Conference Microphone Device | 1 | | |
| 5 | Smart Expansion Microphone for conference microphone device | 1 | | |
| TOTAL | | | | |

Note: -

- 1 Rate shall be inclusive of all charges taxes etc.
- 2 All equipments shall be with three year warranty. Refer tender document for detail specification.
- 3 Delivery : within 2 to 3 weeks after work order.
- 4 Payment : 100% after successful installation.

Seal & Sign of Agency

NAGAR PALIK NIGAM BHILAI(C.G.)

G.E. Road,Supela,Bhilai Distt.Durg

Website : www.bhilainagarnigam.com

Mail :datacenter.bmc@gmail.com

Name of work:- Installation of Video Conferencing system unit at Bhilai Municipal Corporation

GENERAL TERMS AND CONDITION OF THE TENDER:-

1. The agency must have **previous experience** in providing, maintenance & repairing work of **Video Conferencing system unit** in Govt. /semi govt. /local body Organization/PSU and.
 - Performance certificates from existing above clients (Organizations) and proof of VAT registration under commercial Tax department, service tax department must be attached.
2. Tenderer must be in the existence for over 1 Years in the trade with the reasonable amount in maintenance business (Service business turnover).
3. **Performance certificates, work order** from the existing above clients (Organizations) must be attached.
4. The contract will be valid for a period of one year from the issuance of work order after completion of tender agency must be intimated to the officials of this office in written well in time and proper hand over and taking over must be done by agency.
5. Tenderer should submit their tender through Registered post or speed post or by hand only to reach in the office of the Executive Engineer (computer) Nagar Palik Nigam Bhilai. The tenderer can purchase the tender document in the office of the Executive Engineer (Computer) Nagar Palik Nigam Bhilai . The Tenderer will have to submit the application for issue of tender document in the office of the Executive Engineer (Computer) Nagar Palik Nigam Bhilai.up to 06/12/2021 at 5.30 PM.
6. Telegraphic and conditional tenders without earnest money will not be accepted.
7. All offers shall be received on 07/12/2021.up to 5:30 P.M. only in the office of the Executive Engineer (Computer) Nagar Palik Nigam Bhilai.
8. In envelope "A" The Earnest money deposit (EMD) of Rs 2200/- (Rs Two thousand two hundred only) in the form of FDR of any nationalized/scheduled bank in favor of "**Executive Engineer (Computer), Nagar Palik Nigam Bhilai**" and the tenderer (jointly) has to be submitted along with the

- bid. Without EMD, bids will not be entertained at all. EMD in any other form shall not be accepted and no bidder would be granted exemption from deposition of EMD.
9. The tender should enclose all the certificates, technical documents and EMD in envelope "A". All the envelopes shall be sealed separately. First of all envelope "A" will be opened. Envelope "B" will be opened only after earnest money & technical document is found correct. Envelope No, "B" shall contain commercial bid in a prescribed format as given in NIT/ Financial offer. All the two envelop should be kept inside a separate sealed envelope.
 10. The decision of Commissioner Nagar Palik Nigam Bhilai will be final and binding in case of any dispute.
 11. The successful tender has to enter into agreement within a period of 7days from the date of receipt of the intimation of offer failing which the offer may be withdrawn and the EMD may be forfeited.
 12. The tender should obtain at his own cost, first hand information of the assignment and local conditions and Acts, Rules, instructions and procedures applicable and make independent assessment after paying a visit to the municipal corporation Bhilai office.
 13. If the tenderer withdraws his tender before the date of letter information him about the acceptance of the tender or the tenderer backs out from the work after executing agreement and issue of work order, his earnest money deposit will be forfeited.
 14. No escalation in rate will be allowed and no claim on delayed payment owing to unavoidable reason will be entertained.
 15. The tender document forms a part of the agreement and each page of the bid document is to be signed by the tender, as a token of acceptance of the terms and conditions of the bid document, as enclosed to the tender paper.
 16. The rate shall have to be quoted in both words and figures. Scoring, overwriting, interpolating, cutting should preferably be avoided by the tenderer to avoid complications.
 17. The right to terminate the contract at any time if the work is not found satisfactory, after giving reasonable opportunity of hearing is reserved.
 18. The act of backing out from work would automatically debar the agency from any further dealing with this Department.

19. An agency black listed by any Govt. office / semi govt./local body will not be eligible to participate in this tender.
20. Tender received after due date, those received without sealed cover and rates not be accepted.
21. The rates quoted should be net and no discount, free services/ offers quoted will be considered. For the purpose of clarity it is brought to the notice of the agency that Department will not be responsible for damage caused to equipments due to electric fluctuations. As such rates quoted should take care of such damages.
22. The amount of Tender includes Tax and other tax levies by agency.
23. Contract amount shall be paid to the agency after successful installation of VC unit.
24. The lowest total quoted tender will be accepted as the successful tender.
25. If the **quality of equipments, execution of work is found inferior** to one that is desirable, it shall be rejected and should be replaced/executed at the cost and risk of the tender.
26. Commissioner Municipal Corporation Bhilai reserves the right to terminate the contract by giving notice of one month without any financial obligation on both sides.

SPECIAL TERMS AND CONDITION OF THE TENDER:-

27. **The contract will be done for successful installation of VC Unit specified in NIT with 1 year technical support in operation.**
28. **Tender opening Procedure: First of all the technical document will be opened, the bidder who fully accomplish all the technical specification will be eligible for financial bid opening.**
29. **The agency shall provide the VC unit with the specification mentioned below, the specification will be checked at municipal end before installation, in which unsatisfactory will lead to the cancellation of the tender.**

Video Conferencing System (Huddle Camera/ Collaboration Unit)

| Sr.No. | Features | Description |
|--------|---------------------------|---|
| 1 | Video and Audio protocols | H.323, and SIP, ITU-T standards H.264 and H.264 High Profile for video, and ITU-T standards G.711, G.722, G.722.1 Annex C for narrowband, wideband and super wideband audio |

| | | |
|----|--------------------------------------|---|
| 2 | 3 rd party client support | MS® Teams, MS® Sfb, Skype®, Zoom®, Bluejeans®, Starleaf®, Pexip®, Cisco Webex®, Google Hangouts® |
| 3 | Video Formats supported | 1080p30 or better |
| 4 | Focal Length | f3.5mm ~ 42.3mm, F1.8 ~ F2.8 or better |
| 5 | Min Object Distance | 100mm or better |
| 6 | Min Illumination | 0.5 Lux @ (F1.8, AGCON) or better |
| 7 | HFoV | 72 deg or better |
| 8 | VFoV | 43 deg or better |
| 9 | Optical Zoom | 12x or better |
| 10 | Digital Zoom | 16x or better |
| 11 | Pan Range | :+/- 170 deg; or better |
| 12 | Tilt Range | :+/- 30 or better |
| 13 | Features on Camera | White balance (auto/manual); Focus Mode (auto/manual); Sharpness; Backlight; Exposure Compensation; Picture (auto/ manual) and WDR level |
| 14 | Serial Control | UVC via USB- Serial In-Out |
| 15 | Video Signal | H.264 on USB |
| 16 | IR Repeater as TTL Signal | Supported |
| 17 | Camera Output | USB 3.0 |
| 18 | Presets | 10 when controlled from camera remote or UVC commands |
| 19 | Far End Camera Control | Through H.224, H.281 or third-party App |
| 20 | Mic Array | Built-in microphone array of at least 4 microphones. Optional Bluetooth microphone for larger rooms is desired. |
| 21 | Connectivity | Double network port (LAN + WIFI) for dual network connection must be available |
| 22 | Directory Service & Address Book | LDAP/H.350 directory services with an embedded LDAP server (local agenda) and LDAP client (in order to access remote LDAP/H.350 servers) |
| 23 | Multipoint videoconferencing | Allows an easy control (chair control, roster integration) of multi-Conferences hosted by external MCUs. |
| 24 | Firewall Traversal | H.460.18/19 Firewall Traversal and STUN auto discovery |
| 25 | Third party applications | Download and run third party applications |
| 26 | Sharing / Collaboration Features | Share Android applications during a conference as H.239 / BFCP content |
| 27 | External UX Devices | System must be compatible with standard Android UX devices, such as keyboard, mouse and touch screen. |

**Microphone Device/Microphone
Expansion/ OCC HUB**

| Slno. | Feature | Description |
|-------|---------------------|--|
| 1 | Display | 4.3" capacitive touch screen with an improved simple and intuitive user interface. |
| 2 | Technology | Omni Sound®, full-duplex speech, beam forming microphones, noise cancellation, echo cancellation, comfort noise generation Open SIP connectivity to 3rd Party Cloud Hosted Call Control, including Broad soft |
| 3 | Speaker & Mic range | Microphones: 3 digital MEMS microphones, Frequency 100 – 20,000 Hz. Pick-up range 6m/20ft. Speaker Frequency 80 – 14000 Hz, volume 95 dB SPL 0.5m |

| | | |
|---|------------------|--|
| | | 750 sqft sound coverage |
| 4 | Expansion | 900 Plus sqft with daisy-chaining kit and two additional 2 more units. Support and Supply for pair of extension Smart Microphones with beam forming and noise cancellation, 2 x audio expansion ports (RJ11) |
| 5 | Connectivity | 1 x USB 3.0 host Type-A, 1 x USB 3.0 device Micro-B 1 x Ethernet 10/100/1000Mbps, PoE IEEE 802.3af/at with 802.3at recommended Bluetooth LE, Bluetooth Classic and NFC supported |
| 6 | Connectivity Hub | 1 x USB 3.0 for computer connection 2 x USB 3.0 for connecting conference camera, and speakerphone 1 x HDMI for connecting screen Windows and MAC operating systems supported |

30. Important points must be followed by the bidder:

- a. Individual components of the solution to be of one OEM
- b. Power Supply / Adapter Input 100-240VAC, 50-60Hz
- c. Operating Temperature range 5°- 40°C
- d. Relative humidity 20 – 80% condensation-free
- e. Certification ; OEM certification
- f. 3 Year Warranty on complete conferencing system.

31. One demo of complete VC unit shall be organized by the agency before installation, after satisfactory report from official, it will be installed.

32. If any technical issue came during VC execution in any part of the complete device, proper stand by will be provided by the agency on an urgent basis till the complete device has not been replaced since all device will be on warranty period.

33. Any change taking place must be intimated to the officials of this office time proper handling over and talking over must be done by your engineers itself.

Check List

1. Experience Certificate/ work completion for satisfactory work completion from Govt dept.: **Yes/No**
2. OEM certification: **Yes/No**
3. 3 Year Warranty on complete conferencing system: **Yes/No**
4. HUDDLE CAMERA - Full HD Pan Tilt Zoom USB camera that provides a 1080p30 video signal, a 72-degree horizontal field of view, and 12x optical zoom and 16x digital: As per specification: **Yes/No**
5. COLLABORATION UNIT as per specification: **Yes/ No**
6. ONE CABLE CONNECTION HUB - OCC Hub as per specification: **Yes/No**
7. Conference Microphone Device as per specification: **Yes/No**
8. Smart Expansion Microphone for conference microphone device: **Available/not Available**