



Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

www.pcbassam.org

Email: membersecretary@pcbassam.org

NOTICE INVITING TENDER

NIT No. WB/COM-37/17-18/11

Dated Guwahati, the 20th Jan, 2020

Sealed quotations are invited from the reputed computer Hardware Firm/ Supplier/ Authorized Dealers for supply and installation of the "Full HD Video Conferencing (VC) System" at the Head Office of Pollution Control Board, Assam, Bamunimaidam, Guwahati-21. Quotations will be received upto 2:00 PM on 5th February, 2020 and will be opened on the same day at 3:00PM in presence of Quotationer or their authorized representatives. General Terms & Conditions, Letter of Acceptance, duly completed Check list, Financial Bid Document, Details of the Firm and Specifications are as per Annexure - I, II, III, IV & V respectively.

Name of works	: Installation, Commissioning and Demonstration of Full HD Video Conferencing (VC) System at Head Office, Pollution Control Board, Assam
Earnest Money	: Rs. 10,000/- (Rupees Ten Thousand) only must be deposited by bidders in the form of Bank Draft in favour of "Member Secretary, Pollution Control Board, Assam" payable at Guwahati and should be submitted along with their bids.
Last Date of issue of paper for quotation.	: 28.01.2020
Last Date & Time of submission.	: 05.02.2020 at 2.00PM
Date & Time for opening	: 05.02.2020 at 3.00PM
Cost of Quotation Paper	: Rs. 1000/- (Rupees One Thousand) Non Refundable

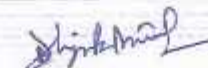
Member Secretary
Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

Memo No. WB/COM-37/17-18/11-A

Dated Guwahati, the 20th Jan, 2020

Copy to:

1. P.A. to the Chairman, PCBA for kind appraisal of the Hon'ble Chairman.
2. The Head of Accounts, Head Office, PCBA for information and necessary action.
3. Website(www.pcbassam.org) / Notice Board of the Board's Head Office, PCBA.


Member Secretary

POLLUTION CONTROL BOARD : ASSAM
BAMUNIMAIDAM, GUWAHATI-781 021

Items Details

SL No.	Item Name
1.	Full HD Video Conferencing (VC) System for Pollution Control Board, Assam

General Terms & Conditions

1. This document contains the following
 - A. Copy of Quotation Notice.
 - B. General Terms and Conditions of Bid.
 - C. Acceptance Letter (Annexure-I).
 - D. Check List (Annexure-II).
 - E. Financial Bid Document (Annexure-III).
 - F. Details of the Firm / Company / Dealer (Annexure-IV).
 - G. Detailed specification of the products (Annexure-V).
2. The Quotation is Single Bid Quotation.
3. The PCBA is having its headquarters at Guwahati, Assam. Presently, PCBA is having 30 Mbps OFC Line network from BSNL. PCBA is attending various Video Conference Meeting with CPCB, New Delhi.
4. Apart from normal Video Conferencing, PCBA has a requirement for sharing of MS-Office applications like MS-Word, MS-Power Point Presentations, MS-Excel, etc. during video calls simultaneously. Power point Presentation shall be operable from Touch Panel.
5. The bidder shall propose MCU for full compatibility and interoperability with the above systems of CPCB, New Delhi. Also it shall integrate with other VC manufacturer's equipment seamlessly.
6. **General requirements:**
 - a) All equipment shall operate on 230V AC.
 - b) The equipment shall operate satisfactorily at Operating Temperature between 10° to 40° Centigrade.
 - c) All the equipment shall support English language.
 - d) **The solution should be hardware-based. Software-based solutions are not acceptable.**
 - e) Video Conferencing should be equipped with IP - 4 Mbps connectivity and shall establish VC for 6 (six) parties including the host with continuous presence of all parties.
 - f) The system shall be supplied with HD camera of 1080p.
 - g) Protection against network interruptions in point-to-point and multi-point calls with automatic down speeding and Packet loss recovery technology.
 - h) Cameras should be Full HD 1920x1080p with 12x optical zoom and Auto Focus as per specifications given in the table below.
 - i) It should have built-in capability for Video, Voice and sharing of MS-Office applications like MS-Word, MS-PowerPoint presentations, MS-Excel etc. with

desktop / laptop computer integration during video calls simultaneously. This will ensure easy collaboration of data during audio and video conference.

- j) VC Codec, Cameras, Touch panel and Microphones should be from same manufacturer.
7. All the equipment shall be supplied installed, tested, demonstrated, and commissioned at PCBA within **30 days** from the placement of purchase order.
8. Training shall be provided to 2(two) officials at PCBA for operation and management of all the supplied systems.
9. The vendor should submit the equipment wise documents (manuals in the form of hard copy or soft copy DVD/CD) which should include the system descriptions, installation and commissioning procedure, operating procedure, step by step fault diagnosis and fault rectification, circuit or block diagram etc.
10. The Quotation Document is not transferable by the purchaser. Each sheet including that provided by the Board with this document must be signed by the bidder.
11. The Board takes no responsibility for delay or non-receipt of Quotation Document sent by post either way and also reserves the right to accept; or reject any or all the quotations in part or full without assigning any reason thereof.
12. This Quotation notice is also available on PCBA's website www.pcbassam.org. Bidders have to collect the detail quotation paper (Specification & Terms) from Board's office at Bamunimaidam, Guwahati - 781021 or can be downloaded from the website on payment of Rs. 1000/- (Rupees One Thousand) only (Non-refundable) in the form of Bank Draft to be drawn in favour of "Member-Secretary, Pollution Control Board, Assam".
- 13. Bidder should not have been blacklisted or debarred from business by any Government institutions/undertakings/recognized educational intuitions, Banks/financial institutions / public Sector companies in the last 10 years. The bidder has to give a declaration that the firm / supplier and the firm has not need blacklisted or debarred in the past by any Govt. or Private Organization. In case any false declaration is submitted, the bidder shall be permanently blacklisted from this organization and legal proceedings may be initiated against such parties.**
14. The Board at its discretion may extend the last date of submission of Quotation and opening of Quotation. **The final authority for acceptance of a quotation will rest with the Member-Secretary, Pollution Control Board, Assam who does not bind himself to accept the lowest quotation and is vested with the authority to reject any or all of the quotations received without assigning any reason.**
15. The warranty period is between twelve months to thirty-six months depending on the item quoted and starting from the date of successful commissioning of the instrument.
16. The bid shall contain no interlineations, erasures or overwriting words except as necessary to correct errors made by the bidder, in that case, such correction shall be initialed by the person or persons signing the bid.
17. It is advised that the outside suppliers should send the Quotation through Registered Post/ Speed Post. However, the local supplier may drop their quotations in Quotation Box kept in the Board's office for the purpose. In no case Quotation should be handed over to any employee of the Board.
18. Canvassing in any form will disqualify the Bid.
19. The Tender Notice No. WB/COM-37/17-18/11 dated 20th January, 2020 should be invariably be quoted in the bid and for further correspondence in this regard.
20. All rights reserve Chairman, Pollution Control Board, Assam.
21. The office of the undersigned reserved the right to modify the term and conditions

- partially or wholly or cancel the tender without assigning any reason thereof.
22. The courts at Guwahati shall have exclusive jurisdiction to entertain and try all matters arising out of this contract.
 23. Party should have Registration Certificate, PAN card, Trade license, GSTN registration.
 24. All the Quotation should be addressed to:
THE MEMBER SECRETARY,
POLLUTION CONTROL BOARD, ASSAM
BAMUNIMADAM, GUWAHATI-781021
 25. The EARNEST MONEY (Fixed Amount) shall be in the form of Demand Draft only in favour of "MEMBER SECRETARY, POLLUTION CONTROL BOARD, ASSAM" payable at GUWAHATI. Quotation shall not be entertained where a quotation has not furnished adequate Earnest Money as specified in the NIT. The Earnest Money will be deposited for 1(one) year as a security. In case of non-supply within stipulated time or the item supplied is found defective and not attended by the supplier, the Earnest Money deposited by the supplier will be forfeited.
 26. The installation and commissioning of the equipments is the entire responsibility of the supplier. It must be done within one week of the receipt of the equipments by the Board.
 27. The validity of Quotation would be for a minimum period of 90 days from the date of opening of quotations. A Bid valid for a shorter period may be rejected by the Board as non-responsive.
 28. The rates should be quoted both in words and figures. If there is discrepancy between words and figures, the amount mentioned in words will prevail.
 29. The Bidder must sign the every page of the quotation.
 30. To assist in the examination, evaluation and comparison of bids the buyer may, at its discretion, ask the Bidder for a clarification of its bid. However, no change in the price or substance of the bid shall be sought, offered, re-permitted
 31. Full payment will be released on delivery, installation and successful commissioning of the instruments/equipment (to be certified by concerned Officer/In-charge of the Division), and on submission of bills in triplicate. No advance payment will be made in any case and no proposal for documents through Bank will be considered.
 32. **Party should have authorized service center in Assam.**
 33. Party should provide proof of sales and service of Video Conferencing Device in any Govt. organization worth minimum of 5 lakh in any of the last three financial year.



Member-Secretary, i/c

(IN FIRM'S LETTER HEAD)
LETTER OF ACCEPTANCE TO BE SUBMITTED IN THE BID.

To

The Member Secretary
 Pollution Control Board, Assam
 Bamunimaidam, Guwahati – 781021

Sub: Acceptance of Terms and conditions of tender.

Ref: Tender No.

Sir,

Having examined in details of the above tender documents relating to the works and having acquired all the requisite information affecting the tender invited by you, I/We.....hereby agree to all terms and condition of the contract [as laid down in the tender document(s)]. I/We also agree that the printed term(s) and condition(s) if any at the back of our quotation form and I or any other paper enclosed are not applicable.

I/We undertake to complete the whole works within the period specified in the tender. In this connection we are providing with the following information.

1. **Firm Registration** certificate.
2. **Proof of address** of the firm.
3. In case bidder is an Authorized Dealer/ Distributor,
 - a. Authorization certificate from parent company.
4. Fees.
 - a. Details of EMD paid
 Amount..... Draft No.....Bank.....
 - b. Cost of Tender Paper
 Amount..... Draft No.....Bank.....
5. GSTN Registration No.....PAN No..... (Copies Enclosed)
6. Declaration that the firm has not been banned or de-listed by any Govt. or quasi Govt. Agency or Public Sector Undertaking enclosed.
7. Previous Supply Order with other department, if any.
8. Any other relevant document.

(Signature with Seal)

(Name & Designation in block letters)

Documents Check List

SL No.	Requirement	Bidder Compliance
1.	EMD & Tender Fee	
2.	Latest Manufacturer's Authorization Letter (Tender Specific)	
3.	Product Literature / Information Brochure	
4.	Letter of Acceptance (Annexure-I)	
5.	Firm Registration Certificate	
6.	Proof of Address of the Firm	
7.	GSTN Registration Certificate	
8.	Pan Card Details	
9.	Validity of quoted rate agreed as per NIQ	
10.	Payment term agreed as per NIQ	
11.	Delivery terms agreed as per NIQ	
12.	Warranty period agreed as per NIQ	
13.	Declaration that the firm has not been banned or de-listed by any Govt. or quasi Govt. Agency or Public Sector Undertaking.	
14.	Previous supply order with other department, if any	
15.	Any other relevant documents.	

Commercial Bid for Video Conferencing Device

SL. No.	Description of the item	Qty.	Unit rate in lakhs	Total Amount in lakhs (Rs.)
	Supply, installation and commissioning of Video conference system with 1 year warranty			
1	Full HD Video Conference system 1080p with Eagle eye 12X camera with a) HD license b) Multiparty license (1+5 in Full HD) with microphone c) Premier partner service for VC d) Microphone array	1 sets		
2	LED Display unit of Size 75" or above with minimum resolution 4K with customised wall mounting kit.	1 sets		
3	Compatible connecting cables for above items with length of 5 mtrs. each HDMI cables: 6 nos. VGA cables: 4 nos. Audio cables: 4 nos. RJ45 Patch cables: 4 nos. Standard Microphone cables: 6 nos.	1 sets		
4	Installation, commissioning, programming charges with all cabling in the VC Room.	Lot		
	Total cost including taxes			

Signature of Bidder

DETAILS OF SERVICE PROVIDER AGENCY

1. Name of the Service Provider Agency :
2. Name of Owner/Director :
3. Complete Address :

4. Contact Telephone No :
5. Fax No :
6. E-mail :
7. PAN/TAN No :
8. GST Registration No :
9. Name – telephone & Mobile No of the dealing / authorized representative:

10. Any other Information :

Signature of authorized Signatory

1. Elaborated specifications in the following table shall be available in the VC system:

Table-1

SL No.	Description	Requirements
I	CODEC	
1.	System capacity (equipped) and type	(Multi party + 1 host) Video conferencing with multi party license Rack mountable Full HD codec 1-year firmware update support required
2.	Video Standards	H.261, H.263, H.264, H.264 High Profile Support for people + content using standards based H.239
3.	Inputs (Video/Audio/Data)	<u>Video</u> 1xHD input for connecting main HD camera 1x HDMI 1.3 1 x VGA <u>Audio</u> Microphone input port (suitable for 4 Mic arrays) 1x HDCI 1X HDMI 1x 3.5mm stereo line in
4.	Outputs (Video/Audio)	<u>Video</u> 2 x HDMI 1.3 <u>Audio</u> 1xHDMI 1x 3.5mm stereo line out
5	Bandwidth Usage	Point-to-Point @ 6Mbps Total bandwidth supported should be 6 Mbps It should give Standard Definition for Multiparty call.
6	Network Interface	10Mbps /100Mbps /1 Gbps auto NIC (RJ-45) H.323 at 6 Mbps Lost packet recovery
7	Camera	½.33" CMOS, 1920x1080 (1080p) 12x optical zoom, Auto Focus Upto 85 degree or better Upto 36 degree or better Pan should be +100 to -100 degrees Must have tilt range of +20 to -30 degrees Min Illumination : 50 Lux Focal length – f=3.76 – 37.6 mm

8	Video Resolution	HD720p 60 from 832 kbps, HD1080p 30 from 1024 kbps, HD1080p 60 from 1740 kbps. 4SIF/CIF 30, 4SIF/CIF 60, SIF, CIF, QCIF
9	Content Resolution	Input: HD1080p,WSXGA, SXGA, HD720p, XGA, SVGA Output: WSXGA, SXGA, HD and XGA
10	Audio Standard	Stereo sound 22kHz crystal clear audio 14 kHz bandwidth with G.722.1 Annex C 7 kHz bandwidth with G.722, G.722.1 3.4 kHz bandwidth with G.711, G.728, G.729A Automatic Gain Control, Automatic Noise Suppression Keyboard noise reduction Audio Error Concealment Instant Adaptation Echo Cancellation
11	Other Standards	H.224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460, BFCP (RFC 4562)
12	Security	Media encryption AES 128 and AES 256 System Management by web interface, SNMP Authenticated access to admin and web interface Local account password Network intrusion detection system
13	Other Features	Support audio with content using People+ Content (H.239)
14	IP capability	Shall be configured on IPV4 and it should be ready for IPV6 in future
15	Microphones	Group microphone array should be supplied
16	Brand (Preferably)	Polycom, Panasonic, Sony

2. 75” or 99” Full Hi-Definition Edge-LED Backlit LCD Display with Internal Player:

1 no. of Display Unit (75” or above) shall be supplied and installed at PCBA with integration to VC system. The connecting cables with accessories shall be supplied and installed in VC room. The Display Unit should be of the following minimum specifications:

Table-2

Sr.No.	Description	Specifications
DISPLAY		
1	Make	Panasonic / Samsung / LG / Sony
2	Panel Type	IPS LED or OLED (non curve)
3	Light Source Type	LED
4	Screen Size (Diagonal)	75 inch or above
5	Aspect Ratio	16:9
6	Screen Resolution	3840x2160 (UHD)
7	Panel Brightness	Superbright
8	Panel Drive	100Hz Bls
9	Viewing Angle (H/V)	178 ^o / 178 ^o
10	Response Time (G-to-G)	5 milli second or better
11	Display Colour	More than 16.7 million
12	Contrast Ratio	10000:1
13	Multi-display Mode Options	Yes
CONNECTION TERMINALS		
14	HDMI	1.3 or higher
15	Video IN	1 minimum
16	Audio IN	1 minimum
17	RGB IN	1 minimum
18	Audio OUT	1 minimum
19	RGB OUT	1 minimum
20	Network	RJ 45 + inbuilt wifi
SOUND		
28	Built-in Speakers for Stereo Audio Output	10+10 watt or better
POWER		
29	Power Supply	230V AC 50 Hz
ADDITIONAL FEATURES		
The following features shall be available: Magic Clone(to USB), Auto Source Switching & Recovery, Lamp Error Detection, Super Clear Coating, Temperature Sensor, RS232C/RJ45 MDC, Plug and Play (DDC2B), PIP/PBP, Video Wall(10x10), Pivot Display, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(Supporting 2x2 UHD Resolution, HDCP Support), Smart Scheduling, Smart F/W update, Clock Battery (80 hrs Clock Keeping) Built In Magic Info (Lite, Premium-S, Video wall-S), WiFi Embedded, WiDi 2.0, Wall-mounted stand and floor mount stand (both) shall be supplied along with the Display Unit.		
Quick Setup Guide, Application CD, Power Cord, Remote Control with Batteries.		