

[A] Important Dates:

#	Particulars	Timeline
4	Last Date of Submission of RFP Response (Closing Date)	2.30 PM on 21th September 2021 Mode: Online URL: https://www.tenderwizard.com/BOB
5	Eligibility Cum Technical Bid Opening Date	3:30 PM on 21th September 2021 Mode: Online URL: https://www.tenderwizard.com/BOB 1. The meeting will be held online through Bank's Online Meeting Platform (i.e. Microsoft Teams) 2. Bidders are requested to send bid submission confirmation with their email address for attending online bid opening meeting on rfp.it.procurement@bankofbaroda.com <u>id after RFP submission time is over.</u>

S#	Clause in RFP	Clarifications/ Changes made
Annexure - 02: Evaluation Terms		
1. Evaluation Process		
A. Eligibility cum Technical Bid		
A	General	
2	Bidder must be in the business of supplying and implementing Video Conferencing System in India for a period of last 5 years (As on RFP date).	Bidder must be in the business of supplying and implementing Video Conferencing System in India for a period of last 5 years (As on RFP date). For MSME / Start-Ups below clause is applicable subject to valid MSME/ Startup certificate. Bidder must be in the business of supplying and implementing Video Conferencing System in India for a period of last 3 years (As on RFP date).
B	Financial	

S#	Clause in RFP	Clarifications/ Changes made
1.	<p>Bidder must have registered a turnover of Rs. 50 Crores or above (from Indian Operations only) in each year during the last three completed financial years i.e. 2018-19, 2019-20 and 2020-21* (Not inclusive of the turnover of associate companies)</p> <p>(* If 2020-21 Financial Statements of any bidder is unaudited then Bank would consider the Audited Financial Statements of 2017-18 along with an undertaking letter from the bidder that the 2020-21 Statements are not audited.) In this scenario Audited Financial statements for the financial years 2017-2018, 2018-19 ,2019-20 are to be submitted.</p>	<p>The Bidder must have registered average annual turnover of Rs. 50 Crores or above during the last three completed financial years – 2018-19, 2019-20 and 2020-21* (Not inclusive of the turnover of associate companies).</p> <p>For MSME / Start-Ups below mentioned turnover is applicable subject to valid MSME/ Startup certificate. The Bidder must have registered average annual turnover of Rs. 35 Crores or above during the last three completed financial years – 2018-19, 2019-20 and 2020-21* (Not inclusive of the turnover of associate companies)</p> <p>(*If 2020-21 Financial Statements of any bidder is unaudited, then Financial statement for 2017-18, 2018-19, 2019-20 will be considered, along with an undertaking letter from the bidder that the 2020-21 Statements are not audited). In this scenario Audited Financial statements for the financial years 2017-2018, 2018-19, 2019-20 are to be submitted.</p>
C	Experience & Support Infrastructure	
1.	<p>The Bidder name should have satisfactorily executed the work of similar nature in Semi Govt. /Govt. & Public / Private Sector Organizations during last Five years (as on RFP date)</p> <p>a) Two similar completed work for supply VC system more than 20 quantity. OR b) Two similar completed works each of value not less than the value equal to Rs. 25.00 lacs.</p>	<p>The Bidder name should have satisfactorily executed the work of similar nature in Semi Govt. /Govt. & Public / Private Sector Organizations during last Five years (as on RFP date)</p> <p>a) Two similar completed work for supply VC system / IP T video conference phones more than 20 quantity. OR b) Two similar completed works each of value not less than the value equal to Rs. 25.00 lacs.</p>
4.	<p>Bidder should be able to replace the faulty hardware (if any) and make the system working within 6 hours from the time of incident reporting and Bidder should have authorised Service Center in the area where Room based VC Devices to be installed. The List Location will be provided to the successful bidder.</p>	<p>Bidder should be able to replace the faulty hardware (if any) and make the system working within 24 hours from the time of incident reporting and Bidder should have authorised Service Center in the area where VC Devices to be installed. The List Location will be provided to the successful bidder.</p>
D		

S#	Clause in RFP	Clarifications/ Changes made
1.	Bidder must be an authorized partner of the OEM having the premium or equivalent level of Partnership with the OEM at least for the last 3 years (as on RFP).	Bidder must be an authorized partner of the OEM (CISCO) having Gold or Premier level of Partnership with the OEM at least for the last 2 years (as on RFP date).
3.	Bidder must ensure that the equipments to be supplied will not be End of Life/ Sale in next 3 years and will not be End of Support in next 5 years.	Bidder must ensure that the equipments to be supplied will not be End of Life/ Sale in next 2 years and will not be End of Support in next 5 years.
Annexure 12 – Project Details Scope of Work		
	8. Delivery: The equipment(s) should be delivered and commissioned within 6 weeks from the date of purchase order by successful bidder. ----- ----	8. Delivery: The equipment(s) should be delivered and commissioned within 12 weeks from the date of purchase order by successful bidder. ----- ----

Addendum in Clause “7. Technical Specifications” of Annexure 12 – Project Details Scope of Work.

All other Terms & Conditions are same as per our RFP no. BCC:IT:PROC:113:35 Dated 12th August, 2021 for Request for Proposal for Supply, Installation & Commissioning of Room Based Video Conferencing Devices for Video Conferencing System.

7. Technical Specifications

Technical Specifications for 4K VC endpoint for large conference rooms are as follows. The VC system should be standard based with separate camera system and HD audio video Interfaces. **Bidder to provide Wall Mount Kit for the VC Codec.**

Features	Specifications	Compliance (Yes / No)
Video		
Video Standards	Latest video standards H.264, H.264 HP/H.265	
Video Frame Rate	Should support 60 fps with 1080p resolution (minimum requirement).	
Video Features	Ability to send and receive two live simultaneous video sources in a single call, so that the image from the main camera and PC or document camera can be seen simultaneously.	
	Should support H.239 and BFCP protocols	
	The system must have the ability to pair mobile devices such as Tablest and Smartphones based on iOS or Android platforms so that these devices can be used for: 1) View the Presentaion that is being shown in the VC call. 2) Add and disconnect call. 3) Take snapshot of the presenetation being shown. The feature of wireless connectivity can be like Participants in a VC room will open an app on device like PC, laptop, mobile device. When they click share button on the application, the device should get shared on the VC device. It should be seamless for end user. No other steps are required. The wireless sharing can be provided with help of app or directly from OS app of laptop/mobile but security should be there in both options and anybody outside the meeting room should not be able to share its screen.	
	The system must have the ability to pair with laptop for sending content without any wires to the VC system.	
	In case the above feature is not available natively, then additional components can be provided to achieve this.	
Video Input	Should have at least 1 x HDMI inputs to connect Full HD cameras.	
	Must have 1 HDMI inputs to connect for presentations. One HDMI cable must be provided on	

	the table for presentation sharing.	
	All inputs should support 1080p60	
	Should support the ability to view and share presentations at a resolution of 3840 x 2160 (4K)	
	The system must have the ability to pair with laptop for sending content without any wires to the VC system	
Video Output	Should have at least 2 no.'s of HDMI output to connect Full High Definition display devices such as plasma and projectors for both Video and Content.(Dual Monitor Support)	
Audio		
Audio standards supported	G.711, G.722, G.722.1, 64 kbps MPEG-4 AAC-LD standard or equivalent wideband audio must be supported.	
Other Desirable features	Noise Reduction, Automatic Gain control, Acoustic Echo Canceller, Active Lip synchronization	
Audio Inputs	Should support 3 Microphone inputs to connect 3 microphones.	
	The pick up of the microphones should be at least 10 feet from the microphone.	
	Echo Cancellation for every input must be available.	
Audio Outputs	Should support audio output	
Network Interfaces	1 LAN /Ethernet--10/100/1000 Mbps full duplex	
Bandwidth	H323/SIP upto 6 Mbps point-to-point.	
Network Capabilities	Packet Loss Based Downspeeding	
H.323/ IP Features	QoS--DiffServe	
	IP adaptive bandwidth management (including flow control)	
	Auto Gatekeeper discovery	
	Auto Network Address Translation(NAT) support	
	Standards based- Packet Loss Recovery feature	
	Must support IPv4 and IPv6 from day one on both H.323 and SIP.	
	Should support URL Dialling	
	Support for H.245 DTMF tones in H.323	
Security		
Menu Control	Password protected system menu	

Encryption of video call	ITU-T standards based Encryption of the video call	
	Call should be encrypted end-to-end on IP	
	Should support Standards-based: H.235 v3 and AES Encryption via Automatic key generation and exchange. The same should be available in a call with Video with presentation (dual video)	
	Ability to manually turn encryption ON/ OFF should be there.	
	Automatic key generation and exchange	
Management	System Management using HTTPS and SSH	
Camera		
	Should have at least two or more HD cameras to automatically detect active speakers in the conference room. The camera should also have face detection mechanism to enable automatic framing of participants.	
	The camera should automatically detect who in the room is speaking and select the best camera framing for that person. And when no one is speaking it should automatically select the best group framing.	
	The camera must have a resolution of 4K with 5X digital zoom or a resolution of 1080p with 10X optical zoom	
	Should have the ability to turn OFF speaker tracking if need be.	
	The cameras should be suitable for a large conference room of about 7m in length with 15 people.	
	1920 x 1080 pixels progressive @ 60fps	
	The Camera and codec should be from the same manufacturer.	
	Should have at least 65 degrees horizontal field of view.	
Directory services	Should support Local and Global directories	
	Should support LDAP and H.350 protocols for directory transfer.	
Multipoint Capability	Should support built-in Multiconference capability to connect at least 1+2 sites at 720p30fps in a continuous presence mode	
User Interface	In order to provide a good user experience, the unit must be equipped with an intuitive Touch Screen/Panel for controlling the VC unit.	

	Must have ability to browse the directory, search a contact, Enable / disable speaker tracking, change layouts, mute/ unmute, increase-decrease volume.	
	The user should have the ability to select between two presentation sources such as a fixed PC and a laptop from the user interface. Users should also have the ability to share presentation wirelessly.	
	Must have the capability to integrate with external control systems to control Blinds, Lights, air conditioning using the API's . The User interface must have the necessary icons for controlling the external devices. This capability is desirable but not mandatory.	
	Bidder to provide two table mic and HDMI presentation cable of 8 meters with VC System.	
	USB Passthrough - .It should be possible to connect the Codec (directly or via external device) to a PC/Laptop and Make use of Camera, Mic and Display to work with any Soft Client applications such as Webex, Zoom, MS Teams, Vidyo, etc. In case capability is not built-in in the codec, 3rd party solution needs to be provides as per the specification for USB module. The support for external device needs to provided by the Bidder till the support mentioned in RFP. Any external device if quoted, should not degrade the resolution and quality of calls.	