CORRIGENDUM-IV DATED 27.01.2020

REQUEST FOR PROPOSAL FOR PROCUREMENT, INSTALLATION, COMMISSIONING, MAINTENANCE AND WARRANTY OF IMMERSIVE VIDEO CONFERENCING FACILITY IN STATE BANK GROUP

Ref: SBI/GITC/NW&C/19-20/670 dated: 06.12.2019

Sr. No	Section	Page no	Existing RFP clause	Revised RFP clause
1	Schedule of Events	2	Last date and time for Bid submission 15.00 hrs on 31.01.2020.	Last date and time for Bid submission 15.00 hrs on 07.02.2020.
2	Schedule of Events	2	Date and Time of opening of Technical Bids 16.00 hrs on 31.01.2020.	Date and Time of opening of Technical Bids 16.00 hrs on 07.02.2020.
3	Appendix-C, D.1	51	**Participants display:** Minimum two (65" or above) Immersive video conferencing Screen with 4K UHD resolution.	**Participants display:** Minimum two Immersive video conferencing Screen with 4K UHD resolution with dimension as below: a. For 2 screen display, each with 80" or above. b. For 3 screen display, each with 65" or above.
4	Appendix-C, clause no. 2	56	The Bank has deployed a Management & Scheduling and Gatekeeper solution at the central location. The proposed Immersive video conferencing solution make/models should be fully compatible and interoperable (relevant supporting document to be provided) with the Bank's existing central infrastructure i.e. Centralized video conferencing solution from Polycom (as OEM), with or without any additional device so that the following features can be achieved: a) The systems/Solution should compatible and interoperable with other OEM VC equipment (MCU / endpoints) currently installed in the Bank. b) All the equipment should support IPv4 and IPv6 and related security protocols. c) The immersive video conferencing solution should be	The Bank has deployed a Management & Scheduling and Gatekeeper solution at the central location. The proposed Immersive video conferencing solution make/models should be fully compatible and interoperable (relevant supporting document to be provided) with the Bank's **existing/New central infrastructure i.e. Centralized video conferencing solution from Cisco/Polycom (as OEM),** with or without any additional device so that the following features can be achieved: a) The systems/Solution should be compatible and interoperable with other OEM VC equipment (MCU / endpoints) currently installed in the Bank. b) All the equipment should support IPv4 and IPv6 and related security protocols.

			preferably centrally managed, monitor and provision with Bank's existing VC solution. d) The immersive video conferencing solution should be able to connect with Normal VC endpoint as well as using laptop while travelling. Details of Centralized Video Conferencing infra as follows: 1. RPCS 1800 2. Polycom DMA. 3. Polycom RealPresence Resource Manager 4. Polycom RealPresence Access Director 5. Poycom One Touch Dialling 6. Polycom Content connect 7. Polycom Cloud relay 8. Harman media suite for recoding	c) The immersive video conferencing solution should be preferably centrally managed, monitor and provision with Bank's existing VC solution. d) The immersive video conferencing solution should be able to connect with Normal VC endpoint as well as using laptop while travelling. Details of **existing Centralized** Video Conferencing infra as follows: 1) TANDBERG Video Communication Server Control 2) TANDBERG Video Communication Server Expressway 3) MSE-8000-B2 Media Services Engine chassis with 2 x MSE-8510 4) TANDBERG Management Suite (14.3.0) 5) TANDBERG Codian ISDN GW 3241 6) IPVCR 2220: 5 port recording, playback and streaming Details of **New Centralized** Video Conferencing infra as follows: 1. RPCS 1800 2. Polycom DMA. 3. Polycom RealPresence Resource Manager 4. Polycom RealPresence Access Director 5. Poycom One Touch Dialling 6. Polycom Content connect 7. Polycom Cloud relay 8. Harman media suite for recoding
5	32	67	The available room dimension at each site/ location/ Offices has already been mentioned in Appendix-R. However, if bidder in his own interest want to do site survey before Bid submission, the	The available room dimension at each site/ location/ Offices has already been mentioned in Appendix-R. However, if bidder in his own interest want to do site survey before Bid submission, the

			same may be permitted upto dated 22.01.2020 without any cost to the Bank. The authorisation for site survey will be issued by DGM (Estate), Corporate Centre. Contact details for site survey authorisation are as under	same may be permitted upto dated 31.01.2020 without any cost to the Bank. The authorisation for site survey will be issued by DGM (Estate), Corporate Centre. Contact details for site survey authorisation are as under

EXISTING TECHNICAL EVALUATION MATRICES

SR. NO.	EVALUATION PARAMETERS	MAX. MARKS	WEIGHT-AGE (In %)	BIDDER's RESPONSE
1	**Degree of homogeneity** in the components (such as a. Codec b. Camera c. Speaker d. Microphone e. participants and content display f. Control Unit) of immersive video conferencing solution based on the following parameters:	**90**	**22.5**	
1.1	All the above six components from same OEM	90		
1.2	5 out of all the above six components from same OEM (flexibility for providing professional grade display screen /or speakers from other OEM)	60		
1.3	4 out of all the above six components from same OEM (flexibility for providing professional grade display screen and speakers from other OEM)	30		
1.4	Less than 4 out of all the above six components from same OEM.	0		
2	**Product warranty and support:**	**30**	**7.5**	
2.1	8 years	30		
2.2	7 years	20		
2.3	6 years	10		
2.4	5 years	0		
3	**Deployment of immersive video conferencing infrastructure Solution (Including room remediation) by a bidder/OEM in India. Each deployment with minimum of 3 locations will be considered.**	**60**	**15**	
3.1	5 and above	40		

3.2	4	20		
3.3	3	10		
3.4	Less than 3	0		
	Additional marks awarded, if each deployment *(of item 3.1, 3.2, 3.3, 3.4)* is done for more than **5** location.	20		
4	**Audio and Acoustic, Video, Protocol Suite, Display screen, Camera**	**30**	**7.5**	
4.1	***Audio subsystem:*** **A.** G.167 or P.340 & G.161 Compatible acoustic echo cancellation.	6		
4.2	***Video subsystem:*** A. H.265(High Efficiency Video Coding) : 3 marks B. 4K resolution should be possible when sending or receiving live video stream on people and content display.: 3 marks	6		
4.3	***Protocol Suite:*** A. H.323 and SIP dual stack	6		
4.4	***Participant Display Screen:*** A. 10 to 12 bit color depth : 3 marks / 8 bit color depth : 1 marks B. Bezel width up to 6 mm : 3 marks / Bezel width 6 mm to 8 mm : 1 marks **Note: Here, bezel width refer to single display unit**	6		
4.5	***Cameras :*** A. **65** degree or above horizontal field view, **1920 x 1080/p60** pixels resolution	6		
5	**Control Interface, Multipoint-Conference Layout.**	**30**	**7.5**	

5.1	**Control Interface features:** **A.** PoE/ or Wi-Fi & Power cable, Remote management, Annotation: 10 marks **B.** PoE/ or Wi-Fi & Power cable, Remote management: 8 marks **C.** Ethernet & Power cable / or Wi-Fi & Power cable, Local management: 6 marks	10		
5.2	**Multipoint-Conference Telepresence Layout:** **A.** Number of remote sites visible on the participant display at a time >= 20: 20 marks **B.** Number of remote sites supported on the participant display at a time in the range of 15(inclusive) to 20 : 15 marks	20		
6	**ISO Certifications by OEM**	**20**	**5**	
6.1	ISO 9001 Certification	10		
6.2	ISO 27001 Certification	10		
7	**Total Evaluation Marks for Quantitative Parameters**	**300**		
8	**Total Evaluation Marks for Qualitative Parameters by External Reviewing Committee:** The Committee may consider below parameters while reviewing the solution but are not exhaustive: 1. The committee will evaluate the solution based, among other things, on the seating quality, table accessories, touch control features, perceived quality of the audio and video, ability to pair additional devices, immersive VC experience in case of two or more screen solution, and cameras positioning quality. 2. Extra features in the codec, speaker, microphone, number of different layouts and any other	**140**	**35**	

	feature that the vendor choose to highlight in their solution. 3. Extra features beyond the minimum requirement that showcase the vendor specialty and can provide enhanced user experience. (**50%** is the minimum qualifying marks for this item and mandatory for bidder to further participate in RFP process)			
	Total Maximum Marks	**400**	**100**	
	Passing Criteria (70% of total marks)**	**280**		

**Bidders who will qualify above technical qualification criteria and minimum scoring, will only be eligible for further RFP evaluation process.

REVISED TECHNICAL EVALUATION MATRICES

SR. NO.	EVALUATION PARAMETERS	MAX. MARKS	WEIGHT-AGE (In %)	BIDDER's RESPONSE
1	**Degree of homogeneity** in the components (such as a. Codec b. Camera c. Speaker d. Microphone e. participants and content display f. Control Unit) of immersive video conferencing solution based on the following parameters:	**90**	**22.5**	
1.1	All the above six components from same OEM	90		
1.2	5 out of all the above six components from same OEM (flexibility for providing professional grade display screen /or speakers from other OEM)	60		
1.3	4 out of all the above six components from same OEM (flexibility for providing professional grade display screen and speakers from other OEM)	30		
1.4	Less than 4 out of all the above six components from same OEM.	0		
2	**Product warranty and support:**	**30**	**7.5**	
2.1	8 years	30		
2.2	7 years	20		
2.3	6 years	10		
2.4	5 years	0		
3	**Deployment of immersive video conferencing infrastructure Solution (Including room remediation) by a bidder/OEM in India. Each deployment with minimum of 3 locations will be considered.**	**40**	**10**	

3.1	5 and above	40		
3.2	4	20		
3.3	3	10		
3.4	Less than 3	0		
4	**Additional marks for deployment of immersive video conferencing infrastructure Solution (Including room remediation) by a bidder/OEM in India. Each deployment with minimum of 5 locations.**	**20**	**5**	
4.1	5 and above.	20		
4.2	4 and 3.	10		
4.3	Less than 3.	0		
5	**Audio and Acoustic, Video, Protocol Suite, Display screen, Camera**	**30**	**7.5**	
5.1	*Audio subsystem:* **A.** G.167 or P.340 & G.161 Compatible acoustic echo cancellation.	6		
5.2	*Video subsystem:* A. H.265(High Efficiency Video Coding) : 3 marks B. 4K resolution should be possible when sending or receiving live video stream on people and content display.: 3 marks	6		
5.3	*Protocol Suite:* A. H.323 and SIP dual stack	6		
5.4	*Participant Display Screen:* A. 10 to 12 bit color depth : 3 marks / 8 bit color depth : 1 marks B. Bezel width up to 6 mm : 3 marks / Bezel width 6 mm to 8 mm : 1 marks	6		

	Note: Here, bezel width refer to single display unit			
5.5	*Cameras :* A. **65** degree or above horizontal field view, **1920 x 1080/p60** pixels resolution	6		
6	**Control Interface, Multipoint-Conference Layout.**	**30**	**7.5**	
6.1	*Control Interface features:* **A.** PoE/ or Wi-Fi & Power cable, Remote management, Annotation: 10 marks **B.** PoE/ or Wi-Fi & Power cable, Remote management: 8 marks **C.** Ethernet & Power cable / or Wi-Fi & Power cable, Local management: 6 marks	10		
6.2	*Multipoint-Conference Telepresence Layout:* **A.** Number of remote sites visible on the participant display at a time >= 20: 20 marks **B.** Number of remote sites supported on the participant display at a time in the range of 15(inclusive) to 20 : 15 marks	20		
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7.1	ISO 9001 Certification	10		
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9	**Total Evaluation Marks for Qualitative Parameters by External Reviewing Committee:** The Committee may consider below parameters while reviewing the solution but are not exhaustive: 1. The committee will evaluate the solution based, among other	**140**	**35**	

things, on the seating quality, table accessories, touch control features, perceived quality of the audio and video, ability to pair additional devices, immersive VC experience in case of two or more screen solution, and cameras positioning quality.

2. Extra features in the codec, speaker, microphone, number of different layouts and any other feature that the vendor choose to highlight in their solution.

3. Extra features beyond the minimum requirement that showcase the vendor specialty and can provide enhanced user experience.

(**50%** is the minimum qualifying marks for this item and mandatory for bidder to further participate in RFP process)

	Total Maximum Marks	**400**	**100**	
	Passing Criteria (70% of total marks)**	**280**		

**Bidders who will qualify above technical qualification criteria and minimum scoring, will only be eligible for further RFP evaluation process.