

**CORRIGENDUM-III DATED 18.01.2020**

**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	2	5	Clarifications to queries raised at pre-bid meeting will be provided by the Bank. On 17.01.2020	Clarifications to queries raised at pre-bid meeting will be provided by the Bank. On 18.01.2020
2	2	6	Last date and time for Bid submission 15.00 hrs on 27.01.2020	Last date and time for Bid submission 15.00 hrs on 31.01.2020
3	2	8	Date and Time of opening of Technical Bids 16.00 hrs on 27.01.2020	Date and Time of opening of Technical Bids 16.00 hrs on 31.01.2020
4	10.i(i)	12	Format for Manufacturer's Authorization Form (MAF) as per Appendix-H. In case of multi OEM solution, MAF should be provided for each individual component from respective OEM.	Format for Manufacturer's Authorization Form (MAF) as per Appendix-H. In case of multi OEM solution, MAF should be provided for each individual component i.e. codec, camera, speaker, microphone, display and control unit from respective OEM.
5	A.7	49	Endpoint functionality should be controlled by remote handset/Touch Panel (Min 1 for 6 participants)	Endpoint functionality should be controlled by remote handset/Touch Panel (Min 1 for each setup of 6/ 15 participants)
6	C.3	50	<b>Additional clause</b>	The camera horizontal field of view should cover all the participants in life-size image.
7	J.5	54	Carpet: Ecosoft/ Interface/ CCIL/ Unitex	Ecosoft/ Interface/ CCIL/ Unitex/Godrej
8	1	63	Vendor should ensure supply, installation, maintenance and warranty support for all onsite components of Immersive Video Conferencing Solution (hardware, software, license, firmware, middleware and other peripherals etc. including tables) preferably from same OEM (other than room renovation, chairs, tables and fixture but should be as per OEMs recommendation) along with its integration with the Bank's centralized video conferencing infrastructure. Heterogeneity in the components will incur a lower technical score. Degree of heterogeneity and the corresponding	Vendor should ensure supply, installation, maintenance and warranty support for all onsite components of Immersive Video Conferencing Solution (hardware, software, license, firmware, middleware and other peripherals etc. including tables) preferably from same OEM (other than room renovation, chairs, tables and fixture but should be as per OEMs recommendation) along with its integration with the Bank's centralized video conferencing infrastructure. Heterogeneity in the components will incur a lower technical score. Degree of heterogeneity and the corresponding score will be decided by the evaluation committee. The vendor should also supply all required

			score will be decided by the evaluation committee. The vendor should also supply all required materials/equipment/labour for renovation of the concerned rooms and will renovate the rooms as specified in this RFP. The solution should be supplied, delivered, and commissioned within 12 weeks from the date of purchase order at the location tentatively detailed as per Appendix-R, during normal office hours and as per the time schedules mentioned in the purchase order.	materials/equipment/labour for renovation of the concerned rooms and will renovate the rooms as specified in this RFP. In the first phase the solution should be supplied, delivered, and commissioned within <b>12 weeks from the date of purchase order at 10 mentioned locations. They are Amaravati LHO, Hyderabad LHO, I&amp;MA Hyderabad, Corporate CENTER, GITC Belapur, Mumbai LHO and Mumbai Metro LHO, Delhi LHO, Kolkata LHO, Chennai LHO. And the rest 10 locations within 16 weeks from the date of Purchase order.</b>
9	16	65	The successful bidder should be ready to shift, if required, the equipment from one place to other (within building or outside premises), uninstall and reinstall all the equipment without any additional cost to the Bank.	The successful bidder should be ready to shift, if required, the equipment from one place to other (within building or outside premises), uninstall and reinstall all the equipment on actual cost basis.
10	15	65	Minimum Qualification for Project Manager: Degree in Electronics/ Computer Engineering with industry recognized certification in "Audio/ Video Conferencing and Collaboration", from OEM.	Minimum Qualification for Project Manager: A) Degree in Electronics/ Computer Engineering B) Minimum experience of 3 years for similar type of project/or industry recognized certification in "Audio/ Video Conferencing and Collaboration", from OEM.
11	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 same may be permitted upto dated 23.10.2019 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	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 27.01.2020 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
12	35(1)	68	<b>Seating Capacity:</b> 6 (Single row) 15 or more (Double row)	<b>Seating Capacity:</b> 6 (Single row) 15 or more (Double row)  <b>Note:</b>  1. Participants at near and far end should be front facing for immersive

				<p>experience rather than side facing (shoulder view). Sitting arrangement should be designed accordingly.</p> <p><b>2.</b> Participants (near &amp; far) should appear as if sitting across the table.</p>
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**EXISTING PAYMENT SCHEDULE**

Sl.no.	Breakup of payment	Timelines	Payment terms
1	Delivery	8 weeks from the date of PO	70 % on delivery of IT and non-IT hardware and readiness of Immersive Video Conferencing Studio.
2	Installation & Commissioning		30% after installation/ commissioning of all devices subject to successful running of the devices in the production environment of the Bank for at least two months or at the end of three months from the date of delivery whichever is later.
3	Training Cost (Should not be bundled with product cost)	For minimum 5 years	Yearly in arrears
4	Warranty Support charges	For minimum 5 years	Yearly in arrears
5	AMC charges 6th and 7 the if availed by the Bank, will be at Max 8% p.a of the Original product cost)		

**REVISED PAYMENT SCHEDULE**

Sl.no.	Breakup of payment	Timelines	Payment terms
1	Delivery	8 weeks from the date of PO	70 % of the delivered IT hardware.
2	Installation & Commissioning		Installation & Commissioning: 12/16 (refer Corrigendum) weeks from the date of PO:

			<p>IT-Component: 20% after installation/ commissioning of all devices subject to successful running of the devices in the production environment of the Bank for at least two months or at the end of three months from the date of delivery whichever is later.</p> <p>Non-IT Component: 90% after installation/ commissioning of all Non-IT items subject to successful running of the devices in the production environment of the Bank for at least 15 days.</p> <p>C: Balance amount: Balance 10% after 1 year, from the date of commissioning at the last location.</p>
3	Training Cost (Should not be bundled with product cost)	For minimum 5 years	Yearly in arrears
4	Warranty Support charges	For minimum 5 years	Yearly in arrears
5	AMC charges 6th and 7 th if availed by the Bank, will be at Max 8% p.a of the Original product cost)		

**EXISTING APPENDIX—F-1**

**Final Commercial Price Bid**

The final commercial Bid needs to contain the information listed hereunder in a sealed envelope bearing the identification – **“Final Commercial Price Bid for procurement of Room Readiness, Furniture & Fixtures require for Immersive Video Conferencing Solution Infrastructure in State Bank of India”.**

**Name of the Bidder:**

**A. Cost of Hardware, Software, Installation, Commissioning and Warranty**

Sr. No.	Item	Quantity (total area of all locations)	Rate per item	Amount in INR.	Proportion to Total Cost of A (in %age) #
a	Furniture and Fixture				
	i) Table				
	ii) Chairs				
	iii) Others				
	iii(a)				
	iii(b)				
	iii(c)				
b	Room Readiness (Quantity in sq. meter)**				
	(i) <b>ACOUSTIC FALSE CEILING IN VC ROOM:</b> Supplying and fixing Acoustics false ceiling tiles, ceiling tiles made of wood fiber cement composition 15 mm thick and covered with acoustically transparent fabric side with NRC 0.90 using backed with rockwool lining, 50mm thick 48 kg/m <sup>3</sup> density inserted in GI steel framed structure 50 x50 x 0.55 channels and 48 x 50 x0.55 mm strudes screw fixed on walls. The rock wool will be wrapped in tissue fiber matt support suitably with GI wire the fabric will be of choice colour, in line and level with gripper etc.to be finished as per the direction of Engineer - in charge.	1050			
	(ii) <b>ACOUSTIC FULL HEIGHT SOLID PARTITION WITH COMBINATION OF LAMINATE AND ACOUSTIC FABRIC PANELS :</b> Providing, supplying and fixing in position of the Full height solid partition 3" thk with 2"x2" t.w section of	865			

	<p>good quality with 9 mm thk ply BWR and finished inside the room with 18mm thk ply boxes of 2'-0"x4'-0" at intervals of 2'-0" With 1mm thk laminates only to boxes of approved samples by architect/Engineer - in charge and Supplying and fixing Wall Acoustics fabric panel with NRC 0.90 using stretched fabric system backed with rockwool lining, 50mm thick 48 kg/m3 density inserted in GI steel framed structure 50 x50 x 0.55 channels and 48 x 50 x0.55 mm strudes screw fixed on walls. The rock wool will be wrapped in tissue fiber matt support suitably with GI wire the fabric will be of choice colour stretched in line and level with gripper etc.to be finished as per the architect. The rate shall be inclusive of all the material, labour, hardware, transportation necessary required for the complete execution of the item.</p>				
	<p>(iii) <b>ACOUSTIC PANELLING:</b> Supplying and fixing Wall Acoustics fabric panel with NRC 0.90 using stretched fabric system backed with rockwool lining, 50mm thick 48 kg/m3 density inserted in GI steel framed structure 50 x50 x 0.55 channels and 48 x 50 x0.55 mm strudes screw fixed on walls. the rock wool will be wrapped in tissue fiber matt support suitably with GI wire the fabric will be of choice colour stretched in line and level with gripper etc.to be finished as per the architect</p>	865			
	<p>(iv) <b>CARPET FLOORING:</b> Providing &amp; Laying Carpets tiles 100% Poly Propylene or Graphic Loopile or Pile Fiber with 100%BCF Poly Propylene backing with density Factor&amp; Tufted Pile height be 4mm or 5mm with Moth Proofing natural resistant with Static Generation under 3.5 KV with Primary backing complete as per design to be laid on site as per the plan. carpet to be covered with back plastic after installation till handover.</p>	1050			
1	<b>Sub-Total (abs)</b>				
2.	Installation/ Commissioning				

3.	Comprehensive warranty for hardware mentioned in items for minimum 5 years from the go live date, wherever applicable.				
<b>Sub-Total 'A'</b>					

**B. Training and Certification: Not Applicable**

Sr. No.	Item	Quote (INR)	Proportion to Total Cost (in %age) #
1.	Training and Certification (from OEM) for----- -----		
<b>Sub-Total 'B'</b>			

**C. Support: Not Applicable**

Sr. No.	Item	Quote (INR)	Proportion to Total Cost (in %age) #
1.			
<b>Sub-Total 'C'</b>			

**Summary of Final Commercial Price Quote:**

Particulars	Quote (INR)	Proportion to Total Cost of E (in %age) #
(a) Sub-Total 'A' above		
(b) Sub-Total 'B' above		
(c) Sub-Total 'C' above		
<b>(d) Grand Total (A + B + C)***</b>		

# The 'Proportion to Total Cost' percentage mentioned here will have to be maintained in the final price quote also by the L1 Bidder. The percentage should be mentioned in two decimal places. Variation in the final price should not exceed +/- 5%. See illustration at the end. The same ratios are applicable for individual items viz. Camera, Microphone etc. Bank may procure one or more additional item (Microphone, Camera, Cable etc.), if required, at the discovered price during the contract period.

**Important:** (a) The price breakup of all the hardware/software components must be provided (even if the price is zero). The Bid may be rejected if the price breakup is not provided.

\*\*\* This will be the part of Total Cost of Ownership (TCO) along with Appendix F \* i.e. final commercial bid.

**The price break-up of single and double row will be calculated as under:**

(i) Cost of per site Single Row = Price of F/20 + (Price of F1/20.5) X 1.0 {Rounded in nearest hundred}

(ii) Cost of per site double Row = Price of F/20 + (Price of F1/20.5) X 1.5{Rounded in nearest hundred}

\*\* Purchase Order will be placed as per actual measurement.

**Breakup of Taxes and Duties**

Mention Name of Tax and Tax Value						
Sr. No.	Item	Tax 1	Tax 2	Tax 3	-----	Tax N
1	(a) Furniture and Fixture					
	i) Table					
	ii) Chairs					
	iii) Others					
	iii(a)					
	iii(b)					
	iii(c)					
	(b) Room Readiness					
2	Installation/ Commissioning					
3	Comprehensive warranty for hardware mentioned in items above for minimum 5 years from the go live date.					
<b>Grand Total</b>						

Signature

Seal of Company



**Illustration** (Not Applicable)

<b>Particulars</b>	<b>Indicative Price Bid Quote (INR)</b>	<b>Proportion to Total Cost (in %age)</b>	<b>L1 Price (INR)</b>	<b>Minimum final price should not be below (INR)*</b>	<b>Maximum final price should not exceed (INR)**</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
(a) Item A	35	18.42	13.81	13.12	14.50
(b) Item B	65	34.21	25.66	24.38	26.94
(c) Item C	90	47.37	35.53	33.75	37.31
<b>(e) Grand Total (a + b + c)</b>	<b>190</b>	<b>100.00</b>	<b>75.00</b>		

\*Computed as 'C' percentage of 'D' less 5%.

\*\*Computed as 'C' percentage of 'D' plus 5%.

**REVISED APPENDIX-F-1**

**Final Commercial Price Bid**

The final commercial Bid needs to contain the information listed hereunder in a sealed envelope bearing the identification – **“Final Commercial Price Bid for procurement of Room Readiness, Furniture & Fixtures required for Immersive Video Conferencing Solution Infrastructure in State Bank of India”.**

**Name of the Bidder:**

**A. Furniture & Fixtures**

Sr. No.	Item	Quantity (total area of all locations)	Rate per item	Amount in INR.	Make/ Model	Proportion to Total Cost of A (in %age) #
a	Furniture and Fixture					
	i) Table					
	ii) Chairs					
	iii) Others					
	iii(a)					
	iii(b)					
	iii(c)					
b	Room Readiness (Quantity in sq. meter)**					
	(i) <b>ACOUSTIC FALSE CEILING IN VC ROOM:</b> Supplying and fixing Acoustics false ceiling tiles, ceiling tiles made of wood fiber cement composition 15 mm thick and covered with acoustically transparent fabric side with NRC 0.90 using backed with rockwool lining, 50mm thick 48 kg/m3 density inserted in GI steel framed structure 50 x50 x 0.55 channels and 48 x 50 x0.55 mmstrudes screw fixed on walls. The rock wool will be wrapped in tissue fiber matt support suitably with GI wire the fabric will be of choice colour, in line and level with gripper etc.to be finished as per the direction of Engineer - in charge.	1050				
	(ii) <b>ACOUSTIC FULL HEIGHT SOLID PARTITION WITH COMBINATION OF LAMINATE</b>	865				

	<p><b>AND ACOUSTIC FABRIC PANELS</b> : Providing, supplying and fixing in position of the Full height solid partition 3" thk with 2"x2" t.w section of good quality with 9 mm thk ply BWR and finished inside the room with 18mm thk ply boxes of 2'-0"x4'-0" at intervals of 2'-0" With 1mm thk laminates only to boxes of approved samples by architect/Engineer - in charge and Supplying and fixing Wall Acoustics fabric panel with NRC 0.90 using stretched fabric system backed with rockwool lining, 50mm thick 48 kg/m3 density inserted in GI steel framed structure 50 x50 x 0.55 channels and 48 x 50 x0.55 mm strudes screw fixed on walls. The rock wool will be wrapped in tissue fiber matt support suitably with GI wire the fabric will be of choice colour stretched in line and level with gripper etc.to be finished as per the architect. The rate shall be inclusive of all the material,labour, hardware, transportation necessary required for the complete execution of the item.</p>					
	<p>(iii) <b>ACOUSTIC PANELLING</b> : Supplying and fixing Wall Acoustics fabric panel with NRC 0.90 using stretched fabric system backed with rockwool lining, 50mm thick 48 kg/m3 density inserted in GI steel framed structure 50 x50 x 0.55 channels and 48 x 50 x0.55 mm strudes screw fixed on walls. the rock wool will be wrapped in tissue fibre matt support suitably with GI wire the fabric will be of choice colour stretched in line and level with gripper etc.to be finished as per the architect</p>	865				
	<p>(iv) <b>CARPET FLOORING</b> : Providing &amp; Laying Carpets tiles 100% Poly Propylene or Graphic Loopile or Pile Fiber with</p>	1050				

	100%BCF Poly Propylene backing with density Factor& Tufted Pile height be 4mm or 5mm with Moth Proofing natural resistant with Static Generation under 3.5 KV with Primary backing complete as per design to be laid on site as per the plan. carpet to be covered with back plastic after installation till handover.					
1	<b>Sub-Total (a+b)</b>					
2.	Installation/ Commissioning					
3.	Comprehensive warranty for hardware mentioned in items for minimum 5 years from the go live date, wherever applicable.					
<b>Sub-Total 'A'</b>						

**B. Training and Certification: Not Applicable**

Sr. No.	Item	Quote (INR)	Proportion to Total Cost (in %age) #
1.	Training and Certification (from OEM) for----- -----		
<b>Sub-Total 'B'</b>			

**C. Support: Not Applicable**

Sr. No.	Item	Quote (INR)	Proportion to Total Cost (in %age) #
1.			
<b>Sub-Total 'C'</b>			

**Summary of Final Commercial Price Quote:**

Particulars	Quote (INR)	Proportion to Total Cost of E (in %age) #
(a) Sub-Total 'A' above		
(b) Sub-Total 'B' above		
(c) Sub-Total 'C' above		
<b>(d) Grand Total (A + B + C)***</b>		

# The 'Proportion to Total Cost' percentage mentioned here will have to be maintained in the final price quote also by the **TC1** Bidder. The percentage should be mentioned in two decimal places. The same ratios are applicable for individual items viz. Camera, Microphone etc. Bank

may procure one or more additional item (Microphone, Camera, Cable etc.), if required, at the discovered price during the contract period.

**Important :**( a) The price breakup of all the furniture and fixtures must be provided (even if the price is zero). The Bid may be rejected if the price breakup is not provided.

\*\*\* This will be the part of Total Cost of Ownership (TCO) along with Appendix F \* i.e. final commercial bid.

**The price break-up of single and double row will be calculated as under:**

(i) Cost of per site Single Row = Price of F/20 + (Price of F1/20.5) X 1.0 {Rounded in nearest hundred}

(ii) Cost of per site double Row = Price of F/20 + (Price of F1/20.5) X 1.5{Rounded in nearest hundred}

\*\* Purchase Order will be placed as per actual measurement.

**Breakup of Taxes and Duties**

Mention Name of Tax and Tax Value						
Sr. No.	Item	Tax 1	Tax 2	Tax 3	-----	Tax N
1	(a) Furniture and Fixture					
	i)Table					
	ii) Chairs					
	iii) Others					
	iii(a)					
	iii(b)					
2	(b) Room Readiness					
	Installation/ Commissioning					
3	Comprehensive warranty for hardware mentioned in items above for minimum 5 years from the go live date.					
<b>Grand Total</b>						

Signature

Seal of Company

**Illustration** (Not Applicable)

<b>Particulars</b>	<b>Indicative Price Bid Quote (INR)</b>	<b>Proportion to Total Cost (in %age)</b>	<b>L1 Price (INR)</b>	<b>Minimum final price should not be below (INR)*</b>	<b>Maximum final price should not exceed (INR)**</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
(a) Item A	35	18.42	13.81	13.12	14.50
(b) Item B	65	34.21	25.66	24.38	26.94
(c) Item C	90	47.37	35.53	33.75	37.31
<b>(e) Grand Total (a + b + c)</b>	<b>190</b>	<b>100.00</b>	<b>75.00</b>		

\*Computed as 'C' percentage of 'D' less 5%.

\*\*Computed as 'C' percentage of 'D' plus 5%.

**EXISTING TECHNICAL EVALUATION MATRICES**

SR. NO.	EVALUATION PARAMETERS	MAX. MARKS	WEIGHT-AGE (In %)	BIDDER's RESPONSE
1	<b>Degree of homogeneity</b> 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:	120	30	
1.1	All the above six components from same OEM	120		
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)	100		
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)	80		
1.4	Less than 4 out of all the above six components from same OEM.	0		
2	<b>Product warranty and support:</b>	30	7.5	
2.1	8 years	30		
2.2	7 years	20		
2.3	6 years	10		
2.4	5 years	0		
3	<b>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.</b>	60	15	
3.1	5 and above	60		
3.2	4	30		

3.3	3	15		
3.4	Less than 3	0		
<b>4</b>	<b>Audio and Acoustic, Video, Protocol Suite, Display screen, Camera</b>	30	7.5	
4.1	<b><u>Audio subsystem:</u></b> A. G.167 or P.340 & G.161 Compatible acoustic echo cancellation.	6		
4.2	<b><u>Video subsystem:</u></b> 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	<b><u>Protocol Suite:</u></b> A. H.323 and SIP dual stack	6		
4.4	<b><u>Participant Display Screen:</u></b> 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 <b>Note: Here, bezel width refer to single display unit</b>	6		
4.5	<b><u>Cameras :</u></b> A. 65 degree or above horizontal field view, 1920 x 1080/p60 pixels resolution	6		
<b>5</b>	<b>Control Interface, Multipoint-Conference Layout.</b>	30	7.5	
5.1	<b><u>Control Interface features:</u></b> 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	10		



	Wi-Fi & Power cable, Local management: 6 marks			
5.2	<p><b><u>Multipoint-Conference Telepresence Layout:</u></b></p> <p><b>A.</b> Number of remote sites visible on the participant display at a time &gt;= 20 : 20 marks</p> <p><b>B.</b> Number of remote sites supported on the participant display at a time in the range of 15(inclusive) to 20 : 15 marks</p>	20		
<b>6</b>	<b>ISO Certifications by OEM</b>	30	7.5	
6.1	ISO 9001 Certification	15		
6.2	ISO 27001 Certification	15		
<b>7</b>	<b>Total Evaluation Marks for Quantitative Parameters</b>	<b>300</b>		
<b>8</b>	<p><b>Total Evaluation Marks for Qualitative Parameters by External Reviewing Committee:</b></p> <p>The Committee may consider below parameters while reviewing the solution but are not exhaustive:</p> <p>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.</p> <p>2. Extra features beyond the minimum requirement that showcase the vendor specialty and can provide enhanced user experience.</p>	<b>100</b>	25	
	<b>Total Maximum Marks</b>	<b>400</b>	<b>100</b>	
	<b>Passing Criteria (70% of total marks)**</b>	<b>280</b>		

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

**REVISED TECHNICAL EVALUATION MATRICES**

<b>SR. NO.</b>	<b>EVALUATION PARAMETERS</b>	<b>MAX. MARKS</b>	<b>WEIGHT-AGE (In %)</b>	<b>BIDDER's RESPONSE</b>
<b>1</b>	<b>Degree of homogeneity</b> 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:	<b>90</b>	<b>22.5</b>	
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		
<b>2</b>	<b>Product warranty and support:</b>	<b>30</b>	<b>7.5</b>	
2.1	8 years	30		
2.2	7 years	20		
2.3	6 years	10		
2.4	5 years	0		
<b>3</b>	<b>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.</b>	<b>60</b>	<b>15</b>	
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		
<b>4</b>	<b>Audio and Acoustic, Video, Protocol Suite, Display screen, Camera</b>	<b>30</b>	<b>7.5</b>	
4.1	<b><u>Audio subsystem:</u></b> A. G.167 or P.340 & G.161 Compatible acoustic echo cancellation.	6		
4.2	<b><u>Video subsystem:</u></b> 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	<b><u>Protocol Suite:</u></b> A. H.323 and SIP dual stack	6		
4.4	<b><u>Participant Display Screen:</u></b> 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  <b>Note: Here, bezel width refer to single display unit</b>	6		
4.5	<b><u>Cameras :</u></b> A. 65 degree or above horizontal field view, 1920 x 1080/p60 pixels resolution	6		
<b>5</b>	<b>Control Interface, Multipoint-Conference Layout.</b>	<b>30</b>	<b>7.5</b>	

5.1	<p><b><u>Control Interface features:</u></b>  <b>A.</b> PoE/ or Wi-Fi &amp; Power cable, Remote management, Annotation: 10 marks  <b>B.</b> PoE/ or Wi-Fi &amp; Power cable, Remote management: 8 marks  <b>C.</b> Ethernet &amp; Power cable / or Wi-Fi &amp; Power cable, Local management: 6 marks</p>	10		
5.2	<p><b><u>Multipoint-Conference Telepresence Layout:</u></b>  <b>A.</b> Number of remote sites visible on the participant display at a time <math>\geq 20</math>: 20 marks  <b>B.</b> Number of remote sites supported on the participant display at a time in the range of 15(inclusive) to 20 : 15 marks</p>	20		
<b>6</b>	<b>ISO Certifications by OEM</b>	<b>20</b>	<b>5</b>	
6.1	ISO 9001 Certification	10		
6.2	ISO 27001 Certification	10		
<b>7</b>	<b>Total Evaluation Marks for Quantitative Parameters</b>	<b>260</b>		
<b>8</b>	<p><b>Total Evaluation Marks for Qualitative Parameters by External Reviewing Committee:</b></p> <p>The Committee may consider below parameters while reviewing the solution but are not exhaustive:</p> <p>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.</p> <p>2. Extra features in the codec, speaker, microphone, number of different layouts and any other</p>	<b>140</b>	<b>35</b>	

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

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