

**TENDER NOTICE NO.: IPR/TN/PUR/TPT/ET/17-18/38 DATED 27-2-2018**

**Summary of the revisions/modification in tender specifications against the Tender No IPR/TN/PUR/TPT/ET/17-18/38 DATED 27-2-2018**

NOTE: Post pre-bid meeting revisions in the document are emphasized in **BOLD** font

S.No	Tender Document Reference	IPR Specifications (Initial)	IPR Specifications (Revised)
1.	Serial No. 4.1 Fully Immersive 3D Projection and Display System Page 4 Section-C	Available Space at IPR for complete VR system: Height 5m max Width 6m max Depth 7m max	Available Space at IPR for complete VR system: Height 5m max Width <b>8m</b> max Depth <b>8m</b> max
2.	Serial No. 4.1.1.: Projection & Projection Mechanics - Display Page 4 Section-C	Type: The offered display environment needs to be a seamless edge blended display created using a high resolution 3 chip DLP / Darkchip 3 or better /equivalent projection system	Type: The offered display environment needs to be a seamless edge <b>butted</b> display created using a high resolution 3 chip DLP / Darkchip 3 or better /equivalent projection system
3.	Serial No. 4.1.1.: Projection & Projection Mechanics – 3D capability Page 4 Section-C	The projectors should be Active stereo3D and should support 120Hz input at above mentioned resolution	The projectors should be Active stereo3D and should support <b>frame sequential</b> 120Hz input at above mentioned resolution
4.	Serial No. 4.1.1.: Projection & Projection Mechanics - Projector Mechanics Page 5 Section-C	This structure should be with a six degree of freedom base with automated or motorised control to keep the projector aligned and allow for movement as per the requirement at site.	This structure should be with a six degree of freedom base with <b>appropriate</b> control to keep the projector aligned and allow for movement as per the requirement at site.
5.	Serial No. 4.1.2: Front and Side Screens with rear projection Page 5 Section- C	There should be smooth blending and matching of the images at the edges of the different screens	There should be smooth <b>edge butting</b> and <b>pixel</b> matching of the images at the edges of the different screens
6.	Serial No. 4.1.2: Floor Screen with Front projection Page 6 Section-C	Type of material : Flexible Screen (fabric)	Type of material: Flexible Screen (fabric). <b>The appropriate hard base for the floor on which the fabric will be placed must also be supplied by the Bidder.</b>
7.	Serial No. 4.2.3 Wireless joystick & Head-Tracking Page 7 Section-C	Use of more than one Wireless joystick simultaneously should be available.	<b>The system should allow working with two wireless joysticks. However, only one wireless joystick should be tracked at a particular instant for interaction.</b>
8.	Serial No.4.3 (1): Features Page 8 Section-C	The Solution should be seamlessly compatible for interaction of the 3D models using a 6DOF Force feedback haptic device	The Solution should be seamlessly compatible for interaction of the 3D models using a 6DOF Force feedback haptic device ( <b>direct interaction with CATIA v5 along with API for manipulation with collision avoidance</b> ). <b>However, The</b>

			<b>haptic device is not in the scope of supply of this tender.</b>
9.	Serial No.4.3 (11): User Tools Page 10 Section-C	The following functions should be accessible in the VR environment: bookmarks recording, measurement between points in the model, clipping plane and zoom, snapshot, hide and show part, annotations in stereo image output on the main display screen, animation recording and video exporting.	The following functions should be accessible in the VR environment: bookmarks recording, measurement between points in the model, <b>Object Pick, Collision detection</b> , clipping plane, zoom, snapshot, hide and show part, annotations in stereo image output on the main display screen, animation recording and video exporting.
10.	Serial No. 6: Pre-Dispatch Inspection Page 13 Section C	Pre-Dispatch Inspection	<b>PDI clause is removed</b>
11.	Serial No. 8: Site Acceptance Criteria 1.Projector Page 15 Section C	Test certificate of following items should be provided with delivered item <ul style="list-style-type: none"> <li>• Lamp of projector</li> <li>• Lens of projector</li> <li>• Residual Light and transmission in Clear State of glasses</li> <li>• Wavelength of emitter</li> </ul>	<b>Test Certificate for Projectors should be provided at the time of delivery at IPR</b>
12.	Serial No. 36.1: Warranty Page 30 Terms & Conditions IPR_LP_ET_02.V2	For a period of twelve calendar months after the plant/machinery/equipment/instruments has been put.....	For a period of <b>Thirty Six calendar months</b> after the plant/machinery/equipment/instruments has been put.....
13.	Notes Eligibility criteria (Annexure-A) Bid format		Added a point: <b>For the purpose of this tender the ‘VR System’ shall mean a virtual reality system including display system with integration of system elements including (a) Projection system and display screens, (b) 6 Degree-of-Freedom tracking system and (c) Real-time 3D visualization software components.</b>
14.	Serial No. 2. Annexure-1 Undertaking – OEM compatibility	Parts will be available for minimum of FIVE years from date of acceptance of the system	Parts will be available for minimum of <b>SIX</b> years from date of <b>delivery</b> of the system <b>at IPR</b>
15.	Serial No. 3. Annexure-1 Undertaking – OEM compatibility	Parts supplied are not declared as End-Of-Life now or in near future. After installation, if such parts are found End-Of-Life, then it will be our responsibility to replace with newer and compatible parts at no cost to IPR.	Parts supplied are not declared as End-Of-Life <b>within one year from the date of delivery of the system at IPR</b> . After installation, if such parts are found End-Of-Life <b>within one year from the date of delivery of the system at IPR</b> , then it will be our responsibility to replace with newer and compatible parts at no cost to IPR.

16.	Annexure-2 Undertaking – OEM Authorization	....acceptance criteria and product warranty services of the integrated Virtual Reality System to be supplied and installed at IPR .....	....acceptance criteria and product warranty services of <b>the _____ (Respective OEM system: Display System/ Tracking System/ Real-time 3D visualization software)</b> to be supplied and installed at IPR .....
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