

**Pre bid Query Response to the Open tender - TPCODL/P&S/1000000500 / 2023-24**

Sl. No.	Detailed Reference to TPCODL Tender document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL RESPONSE Dated 25.12.2023
1	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 5 - Video Wall Size	6 X 2 (1 Set); Minimum Wall Resolution 23040 X 2160	Minimum Wall Resolution 11520 X 2160 for 6x2 matrix	Noted Bidder to note that the calculation of VPS Resolution is considered in the RFP as 23040 X 2160 [(1920X12), (1080*2)].
2	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 11-Inter Modular Gap	< 0.7 mm (Front Access)	Front Access: Adjustable up to 0.75 mm	<0.7 mm (Front Access) <0.2 mm (Rear Access)
3	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 19-Screen to Screen Gap	≤ 0.2 mm (Normal Temperature)	This is ok for rear access cube & not front access	Bidder to consider as per RFP requirement, no deviation is accepted
4	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 22-Grid Alignment	Through Servo Motors	Grid Alignment- should be done through software	Noted, However the software shall meet all the requirement mentioned in the RFP
5	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 26-Rear Clearance	Zero	This is possible for front access cubes	Bidder to consider as per RFP requirement, no deviation is accepted
6	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 29- Complying to Safety	UL, cUL, FCC Class A, CISPR22/85, CE, EN60950	As per Circular of Department Of Promotion of Industry and Internal Trade No. P-45021/2/2017-PP(BE-II) dated 16th Sep. Specifying Foreign Certifications is a restrictive & discriminatory practice in tenders & therefore not to be followed. UL, cUL, FCC class A, CISPR22/85, CE are foreign certifications & as per above circular should be removed from tender specifications. We shall share BIS which is better & approved by Govt. Of India.	Bidder to note that the proposed solution shall meet all the safety requirement of equipment & person as per the industry standard and guidelines of GoI. However bidder is requested to submit the comparison of International standards as mentioned in the RFP viz a viz As specified in BIS standard.
7	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 31- Dimmer	Electronic	Pls remove as it is not required for Laser based DLP video wall	Bidder to consider as per RFP requirement, no deviation is accepted
8	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 32- Cube Design	Over Pressure design to prevent dust penetration	Projection unit should be certified by 3rd party lab to conform the design meeting the requirement of IEC - 60529 standard. Test certificate should be submit as proof along with technical bid submission	Bidder to note that, as per the RFP no dust shall be accumulated inside the cube. Solution proposed shall ensure the requirement of RFP, any deviation in this regard will lead rejection of the bid. As proposed TPCODL technical team will review the test certificate as per IEC - 60529 standard.
9	Section B Page No 14 Technical Specification of Large Video Wall (6 X 2 Matrix) S.No. 41- Dust Ingress	LVW shall be designed to prevent dust ingress using methods such as high internal pressure	Projection unit should be certified by 3rd party lab to conform the design meeting the requirement of IEC - 60529 standard. Test certificate should be submit as proof along with technical bid submission	Bidder to note that, as per the RFP no dust shall be accumulated inside the cube. Solution proposed shall ensure the requirement of RFP, any deviation in this regard will lead rejection of the bid. As proposed TPCODL technical team will review the test certificate as per IEC - 60529 standard.
10	Section B Page No 19 Redundant Controller S.No 12 - Inputs	4 RGB, 6 DVI, 6 HDMI & 6 Nos. LAN Port RGB analog up to 1920 x1200 (up to 165 MHz pixel clock), DVI up to 1920 X 1200 (up to 165 MHz pixel clock).	Mismatch wrt inputs asked in point 10. Pls confirm the inputs to be considered.	Bidder to consider the Input requirement as mentioned in Section B Page No. 19/20 Item B Redundant Controller specification
11	Procedure to Participate in Tender Page 1	* EMD is exempted for MSMEs registered in the State of Odisha	Request you to please allow other state MSMEs to be exempted	Relevant provision of our tender document shall prevail.

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12	Page 3	Due Date for Bid Submission: 29.12.2023 [17:00 Hrs.]	Request you to please extend the bid due date submission date minimum 10 days after corrigendum issued in our query.	No change in Bid Submission Date
13	1.7 Qualification Criteria Page 7	(e) The bidder must possess a valid ISO 9001, ISO20000, ISO 27000 Certification or Higher. Copies of the valid Certificates required	We are having ISO 9001:2008, ISO 14001:2004, OHSAS 45001:2007, please accept.	Relevant provision of our tender document shall prevail.
14	3.0 Submission of Bid Documents Page 9	e) No Deviation Certificate as per the Annexure III – Schedule of Deviations	We are having list of deviations and need to be amend the tender in order to submit the bid.	Amended of the tender is not permitted, However Bidder is encouraged to submit their deviation in the prescribed format mentioned in the RFP
15	Page 11	3.9 Type Tests (if applicable)	Not applicable.	Bidder to note that all type test to be submitted for all the equipment considered in the proposed solution
16	Page 12	4.7 Reverse Auctions	We regret for reverse auction, Best and no regret price shall be submitted. Please allow for price bid opening only and award of order on L1 basis.	Relevant provision of our tender document shall prevail.
17	Page 13	7.3 Delivery Terms	Delivery period shall be 8-10 weeks from the date of drawing approval and manufacturing clearance.	No Deviation is acceptable, Bidder shall be in-line with project schedule mentioned in the RFP
18	Schedule for Items Page 15	(i)LARGE VIDEO WALL SYSTEM WITH CONTROLLER (Full HD Laser Based VIDEO WALL With Controller & ACCESSORIES) LARGE VIDEO SYSTEM (6 X 2 X 70" matrix) INCLUDES: Full HD Laser DLP - Full HD Laser Based DLP Xtra Slim Total Video wall size (in mm) (W x H) minimum : 9300 x 1733 and should fit & match as per site layout requirements with min 1000 mm base stand Total Wall Resolution (Pixels)(W x H) minimum : 23040 x 2160 Power Supply: Redundant Hot-swappable Power Supply - 230 V AC Mounting & Accessories: All are required accessories for non-wall mounting arrangement like Base stand, Mounting kit, Mounting frames, Water proofing arrangement from top, etc. Other Accessories: Pre-fabricated cables for communication, displays, internal and external wiring, extenders, etc.	PLEASE CHANGE TO AS BELOW: (i)LARGE VIDEO WALL SYSTEM WITH CONTROLLER (Full HD Laser Based VIDEO WALL With Controller & ACCESSORIES) LARGE VIDEO SYSTEM (6 X 2 X 70" matrix) INCLUDES: Full HD Laser DLP - Full HD Laser Based DLP <del>Xtra Slim</del> Total Video wall size (in mm) (W x H) minimum : 9300 x 1733 and should fit & match as per site layout requirements with min 1000 mm base stand Total Wall Resolution (Pixels)(W x H) minimum : <del>23040</del> 11520 x 2160 Power Supply: Redundant Hot-swappable Power Supply - 230 V AC Mounting & Accessories: All are required accessories for non-wall mounting arrangement like Base stand, Mounting kit, Mounting frames, Water proofing arrangement from top, etc. Other Accessories: Pre-fabricated cables for communication, displays, internal and external wiring, extenders, etc.	Changes highlighted in red are noted. Bidder to ensure rest of the specification as per the RFP
19	Schedule for Items Page 15	(ii)Redundant Video wall Main Controller with Graphic Controller- OS based (Windows), Graphic Controller- Non PC Based with Wall Management Software 19" Rack Mountable Graphic controller having minimum 12 Output Port, 10 Input Port, 6 LAN Port, OS: Windows 10 or latest version (Minimum Processor 4 GHz or more - i9 or better), 2 x 1 TB in RAID1 HDD, Minimum 32 GB RAM Expandable up to 64 GB wireless keyboard and mouse and wall management software. Bidder to consider appropriate number of RGB, DVI, HDMI, Audio and Video Signal ports/Interface as per the above mentioned controller configuration (There shall be minimum 4 video inputs, 2 audio inputs, 2 audio outputs for	(ii)Redundant Video wall Main Controller with Graphic Controller- OS based (Windows), Graphic Controller- <del>Non</del> PC Based with Wall Management Software 19" Rack Mountable Graphic controller having minimum 12 Output Port, 10 Input Port, 6 LAN Port, OS: Windows 10 or latest version (Minimum Processor 4 GHz or more - <del>i9</del> i7 or better), 2 x 1 TB in RAID1 HDD, Minimum 32 GB RAM Expandable up to 64 GB wireless keyboard and mouse and wall management software. Bidder to consider appropriate number of RGB, DVI, HDMI, Audio and Video Signal ports/Interface as per the above mentioned controller configuration (There shall be minimum 4 video inputs, 2 audio inputs (through HDMI input interface) , 2 audio outputs for	Changes highlighted in red for Graphic Controller is noted. Processor shall be i9 only Proposed solution for Audio Input through HDMI noted Bidder to ensure rest of the specification as per the RFP

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20	Schedule for Items Page 15	Connecting speakers, 4 RGB inputs, 6 DVI input, 6 HDMI input.) Shall have audio-video signal input module to interface with network video conferencing equipment, CCTV, VCD/DVD players. The LVW controller shall support minimum three types of video signal inputs (PAL, SECAM, NTSC), HDTV 720p, 1080i, 1080p (Component), RGB analogue up to 1920 x1200 (up to 165 MHz pixel clock), DVI up to 1920 x 1200 (up to 165 MHz pixel clock). Number of Ports/Interfaces shall be sufficient to drive entire 6X2 Matrix of Cubes (current requirement + Addition of 2 cubes on either side of the matrix. i.e. 10X2 matrix) Power Supply: Redundant Hot-swappable Power Supply - 230 V AC Mounting & Accessories: Controller shall be mounted in the base frame of the Video Wall. All required accessories shall be appropriately considered by the bidder. Other Accessories: Pre-fabricated cables for communication, displays, internal and external wiring, extenders, etc.	Connecting speakers, 16 nos HDMI input ports with required adaptor to connect DVI and RGB Interface port., HDMI should support audio input) Shall have audio-video signal input module to interface with network video conferencing equipment, CCTV, VCD/DVD players. The LVW controller shall support minimum three types of video signal inputs (PAL, SECAM, NTSC), HDTV 720p, 1080i, 1080p (Component), RGB analogue up to 1920 x1200 (up to 165 MHz pixel clock), DVI up to 1920 x 1200 (up to 165 MHz pixel clock). Number of Ports/Interfaces shall be sufficient to drive entire 6X2 Matrix of Cubes (current requirement + Addition of 2 cubes on either side of the matrix. i.e. 10X2 matrix) Power Supply: Redundant Hot-swappable Power Supply - 230 V AC Mounting & Accessories: Controller shall be mounted in the base frame of the Video Wall. All required accessories shall be appropriately considered by the bidder. Other Accessories: Pre-fabricated cables for communication, displays, internal and external wiring, extenders, etc.	Bidder to comply as per the specification
21	Schedule for Items Page 17	7 Spares of LVWS System  3. DVI Interface Card of Main Video Wall Controller 4. HDMI Interface Card of Main Video Wall Controller 5. RGB Interface Card of Main Video Wall Controller	7 Spares of LVWS System  6 Nos HDMI Input interface cards with required adaptor to connect DVI andVGA interface ports.	Bidder to comply as per the specification
22	Annexure VI Page 23	Acceptance Form for Participation In Reverse Auction Event	Request you to please accept price bid opening system to award L1 party.	Relevant provision of our tender document shall prevail.
23	7.0 Codes and Standards Applicable Page 49	Emissions Standards Immunity Standards Safety Power Supply Standards Environmental Standards	WE have conducted type test on ERDA on DLP LED based LVS model and the same shall be provided, further we do have company ISO certifications.	Bidder to submit comparison document against the code & standards mentioned in the RFP vs proposed type test of ERDA. Bidder to submit the supporting document complying all the applicable standards in the RFP
24	8.0 Bidder's Qualification Requirement, Experience, Evaluation Criteria Page 51	The Bidder must demonstrate prior experience in successfully deploying the same Laser based LVWS system solution for minimum of two Projects or more	WE can demonstrate DLP LED list video wall system LVS at our works. Most of DLP displays now are upgraded with fine pitch active LED video wall. WE shall furnish active LED reference please allow.	It will be considered deviation, Bidder to submit project experience as per the RFP
25	9.1 Delivery Schedule Page 56	9 Overall project schedule 90 days	90-100 days from the date of drawing approval.	No Deviation is acceptable, Bidder shall be in-line with project schedule mentioned in the RFP
26	14.0 System Capacity, Performance and Demonstration Page 81	14.1 System Capacity 14.2 System Response	Replica and mirror image of sources over LAN and HDMI interface shall be displayed on video wall in resizable and movable windowing with scheduling.	No change in System Capacity & Performance criteria, Bidder to demonstrate all System Capacity & performance guaranteed criteria during FAT and SAT
27	18.2 Mandatory Spares Page 101	RGB, DVI interface and Audio input interface	We shall provide HDMI input interface which also accepts audio as well. Therefore wherever RGB, DVI required HDMI shall be provided.	It will be considered deviation
28	1.1 Proposed System Page 108	All the hardware and software being offered shall be recent in Technology and Bidder shall guarantee the support for hardware & software for next 15 years	upto 10 years only	Noted
29	1.2 Features Page 108	1.2.3 0.7 mm for Front Access	Only rear access	<0.7 mm (Front Access) <0.2 mm (Rear Access)

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30	1.2 Features Page 109	1.2.6 The luminance measured at the screen shall be minimum 2200 Lumens	1500 Lumens	No deviation is acceptable, Bidder shall be in-line with RFP
31	1.2 Features Page 109	1.2.7 The LVW shall have Laser based light source consisting of Red, Green and Blue Laser	The offered Laser based system is having single Laser only not RGB Laser.	Noted, Accepted
32	1.2 Features Page 109	1.2.8 The Centre to corner brightness of the wall shall be generally uniform and better than 97%.	> 95%	Noted
33	1.2 Features Page 109	1.2.12 The cube shall offer an automatic colour calibration & brightness adjustment mechanism	Through Manually over IR remote control.	No deviation is acceptable, Bidder shall be in-line with RFP
34	1.6 Page 112	1.6.4 LVW controller shall have Audio-Video signal input module to interface with Video Conferencing equipment, CCTV etc.	We shall provide HDMI input interface which also accepts audio as well. Therefore wherever RGB, DVI required HDMI shall be provided.	Deviation
35	1.7 RGB & Video Insertion Page 112	1.7.2 The system shall be designed to accept Dual Link DVI signals with resolutions up to 4095 x 4095	HDMI input interface upto 1920x 1200 pixels @60Hz	Deviation
36	1.9 VPS diagnostics and maintenance Page 114	1.9.1 Cube health, Cube IP Address	No IP address	Deviation
37	1.9 VPS diagnostics and maintenance Page 114	1.9.5.1 Switching the entire display wall or display cube or a selection of cubes ON or OFF	Through Controller	Noted, However all functional requirement shall be demonstrated and comply
38	1.9 VPS diagnostics and maintenance Page 114	1.9.5.3 Changing the active input (of the two present DVI inputs).	Offered Laser LVS do have one no DVI input interface only.	Deviation
39	2.0 Detail Technical Specifications of Equipment & Software Page 116	Minimum Wall Resolution 23040 X 2160	Overall maximum resolution of video wall shall be 11520 x 2160 pixels	Noted Bidder to note that the calculation of VPS Resolution is considered in the RFP as 23040 X 2160 [(1920X12), (1080*2)].
40	2.0 Detail Technical Specifications of Equipment & Software Page 116	11 Inter Modular Gap < 0.7 mm (Front Access)	only rear access	<0.7 mm (Front Access) <0.2 mm (Rear Access)
41	2.0 Detail Technical Specifications of Equipment & Software Page 117	17 Overall brightness of each module 17 Overall brightness of each module	1500 ANSI Lumens	No deviation is acceptable, Bidder shall be in-line with RFP
42	2.0 Detail Technical Specifications of Equipment & Software Page 117	18 Bright Uniformity >> 97%	>95%	Noted
43	2.0 Detail Technical Specifications of Equipment & Software Page 117	20 Luminance measured at the screen minimum 2200 Lumens	1500 Lumens	No deviation is acceptable, Bidder shall be in-line with RFP
44	2.0 Detail Technical Specifications of Equipment & Software Page 117	22 Grid Alignment Through Servo Motors	Manual Adjustment	Grid Alignment is accepted through Software. However, the software shall meet all the requirement mentioned in the RFP
45	2.0 Detail Technical Specifications of Equipment & Software Page 117	24 Features Supported by Controller Self-Adjustment of Video Wall, Auto Colour balancing, Auto Brightness Control	Color and brightness through IR remote control.	Deviation

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46	2.0 Detail Technical Specifications of Equipment & Software Page 117	29 Complying to Safety UL, cUL, FCC Class A, CISPR22/85, CE, EN60950	Not confirmed. WE do have type test on DLP LED based system.	Bidder to note that the proposed Laser based solution shall meet all the safety requirement of equipment & person as per the industry standard and guidelines of Gol. LED based DLP type test are not acceptable
47	2.0 Detail Technical Specifications of Equipment & Software Page 119	45 Cube Depth ≤ 600 mm	Cube depth is 850 mm. Rear space also required minimum 500 mm for maintenance purpose.	Noted as Deviation
48	2.0 Detail Technical Specifications of Equipment & Software Page 119	Cube Control & Monitoring System Automatically launch alerts, warnings, error popup windows in case there is an error in the system	error code on input box shall be displayed in case of any fault.	Bidder to consider functional requirement as per the RFP
49	2.0 Detail Technical Specifications of Equipment & Software Page 119	Cube Control & Monitoring System Automatically notify the error to the administrator or user through a pop-up window and email	Not confirmed	Deviation
50	2.0 Detail Technical Specifications of Equipment & Software Page 122 B Redundant Controller	12 Inputs 4 RGB, 6 DVI, 6 HDMI & 6 Nos. LAN Port	Total 16 nos HDMI input interface shall be provided with required adaptor to connect DVI and RGB (BGA) Interface Port.	4 RGB, 6 DVI, 6 HDMI - 16 nos HDMI input interface accepted Bidder to ensure provisioning of 6 nos. LAN ports
51	2.0 Detail Technical Specifications of Equipment & Software Page 123 C Wall Management Software	6 Layout Preview / Play Back Software should support Live Playback / Preview of Layout 10 Live Preview Software should able to provide live preview of Video wall	Not confirmed	Deviation
52	2.0 Detail Technical Specifications of Equipment & Software Page 126 D LVW Diagnostics and Maintenance	Each cube shall have its own IP address and shall provide access to information about its health parameters through a standard web page from any PC over the Ethernet	Not confirmed.	Deviation
53	2.0 Detail Technical Specifications of Equipment & Software Page 127 D LVW Diagnostics and Maintenance	Switching the entire display wall or display cube or a selection of cubes ON or OFF	Not confirmed.	Deviation
54	2.0 Detail Technical Specifications of Equipment & Software Page 127 D LVW Diagnostics and Maintenance	Changing the active input (of the two present DVI inputs).	Not confirmed.	Deviation
55	15.3 Warranty and Post Warranty support Page No. 87	c. Bidder shall provide warranty support for next 3 years over and above as mentioned in clause a and b for Software Upgrades, Patch Management and any software subscription of all software supplied under this project including sub-vendor products.	The firewall subscription available in the market is for maximum 5 years. The Warrant term of providing 3 years support for subscriptions, post 5 year warranty may posses estimation challenge. Request you to kindly limit the firewall subscription to 5 years max.	No deviation is acceptable, Bidder shall be in-line with RFP. Bidder may build the cost on prorata basis (i.e. Firewall OEM quoted price for 5 years) for next three years as mentioned in point c of Clause 15.3 Warranty & Post Warranty Support
56	Annexure – 3: Preferred/Approved Make of Equipment/System Page No. 191	6. Firewall Checkpoint / Fortinet / Paulo Alto / Cisco	We request you to kindly include SOPHOS make in the approved vendor for firewall.	Bidder may consider SOPHOS make firewall. However the proposed firewall shall meet all the technical requirement mentioned in the RFP, No deviation in terms technical requirement will be accepted.

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57	2.0 Detail Technical Specifications of Equipment & Software 2.1 Large Video Wall System (6 X 2 X 70" Matrix) with Redundant Controller Page No. 116 Page No. 117 Page No. 118	5. Video wall size : 6 X 2 (1 Set); Minimum Wall Resolution 23040 X 2160	For full HD Cube of resolution "1920x1080" For 6x2 Matrix it should be "11520 x 2160" Minimum Wall Resolution 11520 X 2160 for 6x2 matrix	Noted Bidder to note that the calculation of VPS Resolution is considered in the RFP as 23040 X 2160 [(1920X12), (1080*2)].	
58		11 Inter Modular Gap < 0.7 mm (Front Access)	Contradictory statement to rear projection video wall. Front Access: Adjustable up to 0.75 mm	<0.7 mm (Front Access) <0.2 mm (Rear Access)	
59		19 Screen to Screen Gap ≤ 0.2 mm (Normal Temperature)	Our understanding is this rear axis Gap. Please clarify This is ok for rear access cube & not front access	Bidder to consider as per RFP requirement, no deviation is accepted	
60		22. Grid Alignment , Through Servo Motors	Software based alignment is better. Grid Alignment- should be done through software	Noted, However the software shall meet all the requirement mentioned in the RFP	
61		26. Rear Clearance, Zero	This is possible for front access cubes Please clarify	Bidder to consider as per RFP requirement, no deviation is accepted	
62		29. Complying to Safety : UL, cUL, FCC Class A, CISPR22/85, CE, EN60950	For Indian ambient working condition Indian Standards shall supercede the foreign standards. As per Circular of Department Of Promotion of Industry and Internal Trade No. P-45021/2/2017-PP(BE-II) dated 16th Sep. Specifying Foreign Certifications is a restrictive & discriminatory practice in tenders & therefore not to be followed. UL, cUL, FCC class A, CISPR22/85, CE are foreign certifications & as per above circular should be removed from tender specifications. We shall share BIS which is better & approved by Govt. Of India.	Bidder to note that the proposed solution shall meet all the safety requirement of equipment & person as per the industry standard and guidelines of GoI. However bidder is requested to submit the comparison of International standards as mentioned in the RFP viz a viz As specified in BIS standard.	
63		31. Dimmer : Electronic	Not applicable for Laser Based Video Wall Pls remove as it is not required for Laser based DLP video wall	Bidder to consider as per RFP requirement, no deviation is accepted	
64		32. Cube Design : Over Pressure design to prevent dust penetration	Projection unit should be certified by 3rd party lab to conform the design meeting the requirement of IEC -60529 standard. Test certificate should be submit as proof along with technical bid submission	Bidder to note that, as per the RFP no dust shall be accumulated inside the cube. Solution proposed shall ensure the requirement of RFP, any deviation in this regard will lead rejection of the bid. As proposed TPCODL technical team will review the test certificate as per IEC - 60529 standard.	
65		41. Dust Ingress : LVW shall be designed to prevent dust ingress using methods such as high internal pressure	Projection unit should be certified by 3rd party lab to conform the design meeting the requirement of IEC -60529 standard. Test certificate should be submit as proof along with technical bid submission	Bidder to note that, as per the RFP no dust shall be accumulated inside the cube. Solution proposed shall ensure the requirement of RFP, any deviation in this regard will lead rejection of the bid. As proposed TPCODL technical team will review the test certificate as per IEC - 60529 standard.	
66		B Redundant Controller Page No. 121	4 RGB, 6 DVI, 6 HDMI & 6 Nos. LAN Port RGB analog up to 1920 x1200 (up to 165 MHz pixel clock), DVI up to 1920 X 1200 (up to 165 MHz pixel clock).	Mismatch wrt inputs asked in point 10. Pls confirm the inputs to be considered.	Bidder to consider the Input requirement as mentioned in Section B Page No. 19/20 Item B Redundant Controller specification