

**Corrigendum to Gem Bid No: GEM/2023/B/4372353**

The Corrigendum/Addendum/Clarification to Pre-Bid Queries raised by prospective bidders in response to Gem Bid No: GEM/2023/B/4372353 (Name of the work: - ICT for Classroom Infrastructure dated 10.01.2024.

The pre-bid meeting was held on 10.01.2024, at 11:00 AM in the Meeting room of IIM Shillong, as per Gem document. Though most of the queries raised by prospective bidders were clarified during the meeting, following Corrigendum/Addendum/Clarification for some crucial queries is hereby issued.

SI No	RFP Page No	Clause No/Page No.	Content of RFP for which clarification sought	Corrigendum/Addendum/Clarification
1	Pre-Qualification Criteria Page No. 4	SL No 3	<p>The Bidder should have at least three work orders for ICT Classroom Solution including Hybrid Classroom using VC software Interactive Display /Camera and /or AV solution etc each costing not less than Rs. 2,00,00,000/- in any Institute of National Importance, Central Universities, or any renowned private education Institute in India/abroad in the last five years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least two work orders for ICT Classroom Solution including Hybrid Classroom using VC software Interactive Display /Camera and /or AV solution etc each costing not less than Rs. 3,00,00,000/- in any Institute of National Importance, Central Universities, or any renowned private education Institute in India/abroad in the last five years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least one work order for ICT Classroom Solution including Hybrid Classroom using VC software Interactive Display /Camera and /or AV solution etc each costing not less than Rs. 5,00,00,000/- in any Institute of National Importance, Central Universities, or any renowned</p>	<p>The Bidder should have at least three work orders for ICT Classroom Solution including Hybrid Classroom using VC software Interactive Display /Camera and /or AV solution etc each costing not less than Rs. 2,00,00,000/- in any Institutions of National Importance, Central Universities, or any renowned private education Institute or training centres in India/abroad in the last seven years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least two work orders for ICT Classroom Solution including Hybrid Classroom using VC software Interactive Display /Camera and /or AV solution etc each costing not less than Rs. 3,00,00,000/- in any Institutions of National Importance, Central Universities, or any renowned private education Institute or training centres in India/abroad in the last seven years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least one work order for ICT Classroom Solution including Hybrid Classroom using VC software Interactive Display /Camera and /or AV solution etc costing not less than Rs. 5,00,00,000/- in any private education Institute or training centres in India/abroad in the last seven years</p>

				(executed as on date of submission of bid).
2	Pre-Qualification Criteria Page No. 5	SL No 5	The bidder should be a certified ISO 9000/9001 and ISO 14001 certified company. Relevant Organizational Level Certificates to be provided	The bidder should be a certified ISO 9000/9001 or ISO 14001 certified company. Relevant Organizational Level Certificates to be provided
3	Pre-Qualification Criteria Page No. 6	SL No 10	The firm should be a profit-making concern for each of the last three consecutive financial years	SL NO 10 is hereby removed.
4	Pre-Qualification Criteria Page No. 6	SL No 12A	Bidder may be asked to provide detailed technical demonstration of all the quoted products if required within a notice of 6/7 days.	Bidder may be asked to provide detailed technical demonstration of all the quoted products if required within a notice of 15 days.
5	Pre-Qualification Criteria Page No. 6	SL No 12C	OEM of Interactive Flat Panel Display, Professional Large format Display, Podium, VC Camera, Microphone & Audio DSP should have direct manufacturing facility in India with ISO 14001, ISO 9001, ISO 45000 from appropriate authority. Copies of the valid licenses/certificates & BIS are to be submitted.	OEM of Interactive Flat Panel Display, Professional Large format Display, Podium, VC Camera, Microphone & Audio DSP should be with ISO 14001, ISO 9001, ISO 45000 from appropriate authority. Copies of the valid licenses/certificates & BIS are to be submitted.
6	Pre-Qualification Criteria Page No. 7	SL No 12F	Delivery & Installation of complete material needs to be completed at all locations strictly within 60 days of order. Failure to deliver stores within the stipulated delivery period shall result in EMD being forfeited and Vendor shall be blacklisted.	Delivery & Installation of complete material needs to be completed at all locations strictly within 100 days of order. Failure to deliver stores within the stipulated delivery period shall result in imposing LD clause at the rate of 0.5% per week for the undelivered part of project.
7	Warranty and Maintenance Support Services Page 9	6.1	6.1. The Selected Bidder is required to provide service support for the requisite ICT equipment and related Hardware supplied under the contract for a period of 3 years warranty and thereafter AMC period of 03 years.	6.1. The Selected Bidder is required to provide service support for the requisite ICT equipment and related Hardware supplied under the contract for a period of 3 years warranty. The Selected Bidder should also provide minimum one on-site technical support personnel during the initial 3-year warranty period.'
8	ALL Tender Document	ALL Tender Document	" <b>4K HDMI Matrix Switch</b> " will be read as " <b>4K HDMI Switcher</b> "	<b>4K HDMI Switcher</b>
9	ALL Tender Document	ALL Tender Document	" <b>All-in-One LED Display</b> " will be read as " <b>Active LED Display</b> "	<b>Active LED Display</b>
10	ALL Tender Document	ALL Tender Document	75" Interactive display where configuration of <b>RAM</b> is 8GB and <b>ROM</b> is 64 GB is mentioned.	75" Interactive display configuration amended to - <b>RAM</b> 4GB or More and <b>ROM</b> 32 GB or More
11	ALL Tender Document	ALL Tender Document	Wherever " <b>AI Based Human Voice Recognition</b> " in all ceiling microphone	" <b>AI Based Human Voice Recognition</b> " <b>feature optional</b>

			specification criteria is mentioned this feature will be optional.	
12	BOQ Sheet	SL 88	Installation Commissioning User Training Documentation and Manuals and Handover complete as per requirement	Installation Commissioning, additional accessories like capture card, HDMI Splitter (if needed) etc and User Training Documentation along with minimum one on-site technical support personnel during the initial 3-year warranty period.

**Technical Specification for 40-Seater Non-Hybrid Classroom.**

SI No	Page No	Point No/ SL No	Content of RFP for which clarification sought	Corrigendum/Addendum/Clarification
1	7	Point 8 SL no 2	Rated Power: 150 W per Channel or better	Rated Power: 150 W Dual Channel or better
2	10	Point No 13 SL no 5	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service authentication, HTTPS.	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service (optional) authentication, HTTPS.
3	10	Point No 13 SL no 8	Security: Network security protocols like Active Directory® service authentication (, 802.1X network access control, TLS, SNMP and HTTPS.	Security: Network security protocols like Active Directory® service authentication(optional) 802.1X network access control, TLS, SNMP and HTTPS.

**Technical Specification for 60-Seater Non-Hybrid Classroom.**

SI No	Page No	Point No/ SL No	Content of RFP for which clarification sought	Corrigendum/Addendum/Clarification
1	13	Point 1 SL no 15	Viewing Angle: H: 170 degrees; V:170 degree	Viewing Angle: H: 160 degrees; V:160 degree or better
2	21	Point 11 SL no 2	Rated Power: 150 W per Channel or better	Rated Power: 150 W Dual Channel or better
3	21	Point 13 SL no 1	Inputs port: 4x HDMI connectors or as required by the solution	Inputs port: 8x HDMI connectors or as required by the solution
4	21	Point 13 SL no 2	Outputs port: 4x HDMI connectors or as required by the solution	Outputs port: 8x HDMI connectors or as required by the solution
5	22	Point No 15 SL no 5	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service authentication, HTTPS.	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service (optional) authentication, HTTPS.
6	22	Point No 15 SL no 8	Security: Network security protocols like Active Directory® service authentication, 802.1X network access control, TLS, SNMP and HTTPS.	Security: Network security protocols like Active Directory® service authentication(optional) 802.1X network access control, TLS, SNMP and HTTPS.

### Technical Specification for 60-Seater Hybrid Classroom.

SI No	Page No	Point No/ SL No	Content of RFP for which clarification sought	Corrigendum/Addendum/Clarification
1	25	BOQ SL No 15	Digital Signal Processor with inbuilt amplifier, Acoustic Echo Cancellation, AI based noise reduction & reverberation suppression for ceiling digital mic connectivity along with table remote for different classroom modes online or offline	Digital Signal Processor (Dante facility optional as per requirement by implementor)
2	26	Point 1 SL no 15	Viewing Angle: H: 170 degrees; V:170 degree	Viewing Angle: H: 160 degrees; V:160 degree or better
3	32	Point No 9 SL No 4	Viewing angle: 60 degrees or better	Viewing angle: 55 degrees or better
4	36	Point 15 SL no 1	Signal Processing: 32-bit fixed/floating-point DSP 300MHz	Signal Processing and feature: 32-bit fixed/floating-point DSP 300MHz with optional Dante Facility
5	37	Point 16 SL no 2	Rated Power: 150 W per Channel or better	Rated Power: 150 W Dual Channel or better
6	37	Point 18 SL no 1	Inputs port: 4x HDMI connectors or as required by the solution	Inputs port: 8x HDMI connectors or as required by the solution
7	37	Point 18 SL no 2	Outputs port: 4x HDMI connectors or as required by the solution	Outputs port: 8x HDMI connectors or as required by the solution
8	38	Point No 20 SL no 5	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service authentication, HTTPS.	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service (optional) authentication, HTTPS.
9	38-39	Point No 20 SL no 8	Security: Network security protocols like Active Directory® service authentication, 802.1X network access control, TLS, SNMP and HTTPS.	Security: Network security protocols like Active Directory® service authentication(optional) 802.1X network access control, TLS, SNMP and HTTPS.

### Technical Specification for 120-Seater Hybrid Classroom.

SI No	Page No	Point No/ SL No	Content of RFP for which clarification sought	Corrigendum/Addendum/Clarification
1	41	BOQ SL No 15	Digital Signal Processor with inbuilt amplifier, Acoustic Echo Cancellation, AI based noise reduction & reverberation suppression for ceiling digital mic connectivity along with table remote for different classroom modes online or offline	Digital Signal Processor (Dante facility optional as per requirement by implementor)
2	42	Point 1 SL no 15	Viewing Angle: H: 170 degrees; V:170 degree	Viewing Angle: H: 160 degrees; V:160 degree or better
3	48	Point No 9 SL No 4	Viewing angle: 60 degrees or better	Viewing angle: 55 degrees or better
4	51	Point 15 SL no 1	Signal Processing: 32-bit fixed/floating-point DSP 300MHz	Signal Processing and feature: 32-bit fixed/floating-point DSP 300MHz with optional Dante Facility

5	52	Point 16 SL no 2	Rated Power: 150 W per Channel or better	Rated Power: 150 W Dual Channel or better
6	53	Point 18 SL no 1	Inputs port: 4x HDMI connectors or as required by the solution	Inputs port: 8x HDMI connectors or as required by the solution
7	53	Point 18 SL no 2	Outputs port: 4x HDMI connectors or as required by the solution	Outputs port: 8x HDMI connectors or as required by the solution
8	54	Point No 20 SL no 5	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service authentication, HTTPS.	Ethernet and Protocol: Should be able to communicate to network over 1x LAN supporting TCP/IP, UDP/IP, SFTP, DHCP, SSL, TLS, SSH, IEEE 802.1X, SNMP, IPv4, IPv6, Active Directory® service (optional) authentication, HTTPS.
9	54	Point No 20 SL no 8	Security: Network security protocols like Active Directory® service authentication, 802.1X network access control, TLS, SNMP and HTTPS.	Security: Network security protocols like Active Directory® service authentication(optional) 802.1X network access control, TLS, SNMP and HTTPS.

**Payment Terms:**

1. 60% of payment on supply of items.
2. 15% on Installation of all ICT works complete in all aspect.
3. 15% on testing and commissioning.  
(All the above payments shall be paid during execution of project and on completion, a performance certificate shall be issued i.e. within the given timeline of 100 days)
4. Balance 10% shall be paid on issuance of completion certificate which shall be issued after 30 days of performance certificate and handing over of complete documentation and user training manuals.