

Corrigendum - III

CORRIGENDUM-II TO BE IGNORED

RFP Enquire No: OCAC-SEGP-INFRA-0056-2023/23075, Dated 18-10-2023

Last Date and Time For Submission of Bid Document is 26.11.2023 by 03.00 PM

| Sl# | RFP Page No | RFP Clause No | Existing Clause Details as per RFP | Response from OCAC / Amendment |
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| 1 | 7 | Clause No-3.1, Basic Information, Point No-e | <p>e) Mobile App based Learning Management System for Beyond the School Learning</p> <p>Bidder has to provide an app based Learning Management System which will be used as a repository for accessing recorded sessions in the school or beyond. School teachers should also be able to conduct online sessions from desktop or mobile app for their respective students. Students should be able to access LIVE and recorded sessions from a mobile app from anywhere. Using the same app, students should also be able to have live video interaction with the teacher.</p> | <p>Clarification: Approximately 10 Lakh students are estimated to be using the app regularly.</p> <p>The list of schools and studio site locations will be intimated at the time of the award of the project.</p> |

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| 2 | 8 | Clause No-4, Pre-Qualification/Eligibility Criteria, Point No-3 | <p>Legal Entity:</p> <p>The bidder should be either a company (sole bidder) registered in India under the provisions of the Companies Act, 1956/Partnership Firm Registered under Partnership act 1932.</p> <p>OR a consortium of companies with maximum two members</p> | <p>Legal Entity:</p> <p>(A) Prime Bidder: a. The bidder should be either a company/LLP registered in India under Indian Companies Act 1956/2013. b. In case no consortium partner is taken by prime bidder, then the prime bidder should be a legal VSAT service provider in India.</p> <p>(B) Consortium: a. Maximum two consortiums partners are allowed with the Prime Bidder. b. One Consortium partner must be a legal VSAT or VSAT-VNO licenced service provider in India.</p> |
| 3 | 8 | Clause No-4, Pre-Qualification/Eligibility Criteria, Point No-5 | <p>Turnover & Net Worth: The sole bidder/lead bidder should have positive net worth and should have an average annual turnover of ₹600 Crores for last three financial years as on 31.03.2022 or 31.03.2023. Required Details:- Audited Balance Sheets- Valid CA Certificate.For the last 3 financial years as on 31.03.2022 or 31.03.2023.</p> | <p>Turnover & Net Worth:The prime bidder/lead bidder should have positive net worth and an average annual turnover of ₹600.00 Crores for last three financial years as on 31.03.2023. Required Details:- Audited Balance Sheets- Valid CA Certificate.For the last 3 financial years as on 31.03.2023.</p> |

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| 4 | 9 | <p>Clause No-4, Pre-Qualification/Eligibility Criteria, Point No-7</p> | <p>Technical Capability :</p> <p>The sole bidder/any consortium member should have implemented at least 1500 schools/colleges (institutions) having 2-way interactive Virtual Classroom setup using satellite connectivity - which must include Hardware, Connectivity, Software and Services. These implementations should have been executed for any Govt./ PSU/ Central Ministry/ Any State Govt. in India in the last 10 years.</p> <p>Required Details:</p> <p>Satisfactory work completion certificates from the client + Copy of the Work Order</p> <p>OR</p> <p>Copy of Work Order + Phase Completion Certificate from the client for ngoing projects.</p> | <p>Technical Capability :</p> <p>The prime bidder or any of its consortium partner should have implemented in India, two-way interactive Virtual Classroom setup using satellite connectivity at least in 500 (minimum 250 in XC band connectivity + minimum 250 in KU band connectivity) schools/colleges/sites/nodes using either XC Band VSAT and KU Band VSAT (which must include Hardware, Connectivity, Software and Services). These implementations should have been executed for any Govt./ PSU/ Central Ministry/ Any State Govt. in India in the last 10 years.</p> <p>Required Details:</p> <p>Satisfactory work completion certificates from the client + Copy of the Work Order/Purchase order/Agreement</p> <p>OR</p> <p>Copy of Work Order + Phase Completion Certificate from the client for ongoing projects.</p> |
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| 5 | 10 | Clause No-4, Pre- Qualification/Eligibility Criteria, Point No-12 | <p>Compliance:</p> <ul style="list-style-type: none"> • The Sole Bidder/Lead Bidder has to submit Compliance Certificate along with technical brochures covering all technical specifications. • The OEM should submit the compliance confirmation for each parameter in their letterhead along with the Manufacturer's Authorization form. If there is any deviation, the deviation with justification should be spelt out on the OEM letter head. <p>Required Details:</p> <p>Compliance Certificate and Brochures should be uploaded.</p> | <p>Compliance:</p> <ul style="list-style-type: none"> • The Prime Bidder/Lead Bidder has to submit Compliance Certificate along with technical brochures covering all technical specifications. • The OEM should submit the compliance confirmation for each parameter in their letterhead along with the Manufacturer's Authorization form. If there is any deviation, the deviation with justification should be spelt out on the OEM letter head. • The Prime Bidder or its Subsidiary or its Consortium partner or consortium partner's subsidiary should possess a valid VSAT license or VSAT-VNO license on the date of submission of bid. • The Prime Bidder or any consortium member should have an experience of operating a network on XC Band and KU Band. <p>Required Details:</p> <p>Compliance Certificate and Brochures should be uploaded.</p> |
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| 6 | 8 | Clause No-4, Pre-Qualification/Eligibility Criteria, Point No-2 | Earnest Money Deposit (EMD) of ₹3,00,00,000/- (Rupees Three Crores) in the form of Demand Draft/Bank Guarantee from any Government, Nationalized, and Schedule Commercial Bank. The EMD of Successful Bidder is liable to be forfeited if the Bidder revokes any terms of the tender within the validity period. EMDs given by unsuccessful Bidders will be refunded after placing of work order to the successful Bidder. | No Change, as per RFP. Clarification : EMD is mandatory for all the bidders including PSUs. |
| 7 | 9 | Clause No-4, Pre-Qualification/Eligibility Criteria, Point No-8 | Technical Capability : The sole bidder/any consortium member should have implemented student analytics solution in classrooms which must include supply of minimum 4000 assessment tools and integrated application. These implementations should have been executed for any Govt./ PSU/ Central Ministry/ Any State Govt. in India in the last 10 years. | Technical Capability : The sole bidder/any consortium member should have implemented student analytics solution in minimum 500 schools including minimum 30 assessment tools in every school. These implementations should have been executed for any Govt./PSU/Central Ministry/Any State Govt. in India in the last 10 years. |
| 8 | 9 | Clause No-4, Pre-Qualification/Eligibility Criteria, Point No-6 | Required Details : Satisfactory Work completion certificates from the client +Copy of the Work Order OR Copy of Work Order + Go-LIVE Certificate from the client for ongoing projects. | Required Details : Satisfactory Work completion certificates from the client +Copy of the Work Order/PO/Agreement OR Copy of Work Order/PO/Agreement + Go-LIVE Certificate from the client for ongoing projects. |

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| 9 | 9 | Clause No-4, Pre- Qualification/Eligibility Criteria, Point No-9 | Technical Capability : The sole bidder/any consortium member should have experience of supply Digital content under Virtual Classroom/Digital Classrooms/E-Classrooms for at least 1500 classrooms across India for Government Schools in the last 10 years. | Technical Capability : The sole bidder/any consortium member should have experience of supply Digital content under Virtual Classroom/ Digital Classrooms/E-Classrooms for at least 500 Schools/colleges/institutions under any Govt./PSU/Central Ministry/Any State Govt. in India in the last 10 years. |
| 10 | 10 | Clause No-4, Pre- Qualification/Eligibility Criteria, Point No-12 | Compliance : The Sole Bidder/Lead Bidder has to submit Compliance Certificate along with technical brochures covering all technical specifications. The OEM should submit the compliance confirmation for each parameter in their letterhead along with the Manufacturer's Authorization form. If there is any deviation, the deviation with justification should be spelt out on the OEM letter head. | Compliance : The sole bidder/any consortium member has to submit Compliance Certificate along with technical brochures covering all technical specifications. The OEM should submit the compliance confirmation for each parameter in their letterhead along with the Manufacturer's Authorization form. If there is any deviation, the deviation with justification should be spelt out on the OEM letter head. |
| 11 | 37 | Clause No-7.5, Eligible Goods and Related Services, Point No- © | The OEM/ Solution Provider of the quoted product must have its own registered spares depot in India having adequate inventory of the equipment being quoted for providing the necessary spares within next working day or maximum 48 hours | The OEM/ Solution Provider of the quoted product must have its own registered or OEM Authorised spares depot in India having adequate inventory of the equipment being quoted for providing the necessary spares within next working day or maximum 48 hours. |

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| 12 | 56 | Annexure-6 | <p>Format for Manufacturer's Authorization Form: SUPPORT AND MAINTENANCE: In the event that, during the contract term specified in the RFP, _____ (Bidder Name) is unwilling or unable to fulfil its maintenance and support in respect of the Hardware or Software products in accordance with the RFP, _____(OEM Name) undertakes to provide such support and maintenance obligations (either by ourselves or through a subcontractor) in accordance with the RFP Technical Terms of Service for the duration of any paid up Support and Maintenance Term provided always that you have a valid Subscription Agreement.</p> | Please refer revised Manufacturer's Authorization format enclosed in this Corrigendum. |
| 13 | 66 | Annexure-11, Detailed Specifications (Main Studio Setup), Point No-6 | <p>Microphone: Lapel</p> <ul style="list-style-type: none"> - System: Dual channel wireless microphone system 2.4GHz digital transmission - Encryption: 128-bit encryption - Output 3.5mm TRS analog output, USB-C and iOS compatible digital audio output Ability to switch between mono or stereo output - Battery: In-built rechargeable lithium-ion battery – up to 5 hours' battery life - Range: 200m transmission range | <p>Microphone: Lapel</p> <ul style="list-style-type: none"> - System: Dual channel wireless microphone system 2.4GHz digital transmission - Encryption: 128-bit encryption - Battery: In-built rechargeable lithium-ion battery – up to 5 hours' battery life - Range: 200m transmission range |

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| 14 | 67 | Annexure-11, Detailed Specifications (Main Studio Setup), Point No-11 | 55 inches Professional Display- Screen Size (Diagonal) / Aspect ratio: 55" / 16:9 or better- Panel Type: IPS 'LED / Equivalent- Resolution (H x V): 1,920 x 1,080 pixels- Brightness: 350 cd/SqM or Better- Viewing Angle: 178° / 178°- Inputs: HDMI (2), RGB, Audio, USB or better- Mount: One flour Mount and Two Wall Mount- Certifications: ROHS, BIS, FCC, CE | 55 inches Professional Display- Screen Size (Diagonal) / Aspect ratio: 55" / 16:9 or better- Panel Type: IPS 'LED / Equivalent- Resolution (H x V): 1,920 x 1,080 pixels- Brightness: 350 cd/SqM or Better- Viewing Angle: 178° / 178°- Inputs: HDMI (2), RGB, Audio, USB or better- Mount: One flour Mount and Two Wall Mount- Certifications: BIS |
| 15 | 68 | Annexure-11, Detailed Specifications (Main Studio Setup), Point No-12, 85 inches Interactive Panel Display: | INPUT <ul style="list-style-type: none"> - HDMI x2 - Touch USB x2 - RGB / VGA x1 - Audio x1 - YPbPr x1 - MIC(Microphone) x1 - AV in x1 - OPS: OPS Slot support 4K@60HZ | INPUT <ul style="list-style-type: none"> - HDMI x2 - Touch USB x2 - RGB / VGA x1 - Audio x1 - MIC(Microphone) x1 - OPS: OPS Slot support 4K@60HZ |

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| 16 | 70 | Annexure-11, Detailed Specifications (Main Studio Setup), Point No-18 | <p>Editing Machine- Processor: 1 x Intel® Xeon W-2133 Processor (6 Core/3.6GHz)- Chipset: C422 chipset- RAM: 16GB ECC DDR4 RAM- Controller: SATA3 (6Gbps) via Intel C422 controller- HDD: 1x 256 GB SSD, 2 x 2TB SATA 7.2K RPM Enterprise- Optical Drive: DVD RW- Network: RJ45 Gigabit Ethernet LAN ports- Graphics Card: 1 x NVIDIA Quadro P2200 5GB GDDR5- OS: Windows 10 64 Bit- Capture Card: Capture card with SDI input- Additional Software for Video editing: Adobe Premiere Pro Subscription (Annual Subscription) for 3 Years- Live Switching with chroma key- Video Switching and Mixing Software- Supports 4k, HD and SD Video formats- Multiple Keying- Live Stream and Recording- Supports Multiple Camera inputs, Video files- Peripherals: 2x 24" LED Monitor , Speaker, USB Keyboard & Optical Scroll Mouse</p> | <p>Editing Machine- Processor: 1 x Intel® Xeon Processor (6 Core/2.8GHz) or better- RAM: 16GB ECC DDR5 RAM- Controller: SATA3 (6Gbps) - HDD: 1x 480 SSD, 2 x 2TB SATA 7.2K RPM Enterprise- Optical Drive: DVD RW- Network: RJ45 Gigabit Ethernet LAN ports- Graphics Card: 1 x NVIDIA Quadro P2200 5GB GDDR5 or equivalent- OS: Windows 11- Capture Card: Capture card with SDI input- Additional Software for Video editing: Adobe Premiere Pro Subscription (Annual Subscription) for 3 Years- Live Switching with chroma key- Video Switching and Mixing Software- Supports 4k, HD and SD Video formats- Multiple Keying- Live Stream and Recording- Supports Multiple Camera inputs, Video files- Peripherals: 2x 24" LED Monitor , Speaker, USB Keyboard & Mouse</p> |
| 17 | 72 | Annexure-11, Detailed Specifications (Main Studio Setup), Point No-24 | Crest Factor 4:1 or better | Crest Factor 3:1 or better |

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| 18 | 74 | Annexure-11, Detailed Specifications (Main Studio Setup, Point No-10 and Regional Studio Setup, Point No-7) | Multi-touch Interactive Panel with 14" laptop- Multi-touch Interactive Panel Min 13.0-inch display• Resolution support up to 1920 x 1080• HDMI Input• Stylus Pen• Color Displays: 16.7M• Contrast Ratio: 700:1• Viewing Angle: 178°• Response time: 30 ms or less- Laptop Specification:• Intel Core i5,• Minimum 8GB RAM,• Minimum 1 TB HDD,• Display Minimum 14.0"• 1 USB 3.0, 2- USB 2.0, HDMI, VGA,• Windows 10, 64 bit | Multi-touch Interactive Panel with 14" laptop- Multi-touch Interactive Panel Min 13.0-inch display• Resolution support up to 1920 x 1080• HDMI Input• Stylus Pen• Color Displays: 16.7M• Contrast Ratio: 700:1• Viewing Angle: 178°• Response time: 30 ms or lessLaptop Specification:• Intel Core i5 or AMD Ryzen 5• Minimum 8GB RAM,• Minimum 480GB SSD or higher• Display Minimum 14.0"• 1 USB 3.0, 2- USB 2.0, HDMI• Windows 11 |
| 19 | 75 | Annexure-11, Detailed Specifications (Regional Studio Setup), Point No-8 | 55 inches Professional Display <ul style="list-style-type: none"> - Screen Size (Diagonal) / Aspect ratio: 55" / 16:9 or better - Panel Type: IPS 'LED / Equivalent - Resolution (H x V): 1,920 x 1,080 pixels - Brightness: 350 cd/SqM or Better - Viewing Angle: 178° / 178° - Inputs: HDMI (2), RGB, Audio, USB or better - Mount: One floor Mount and One Wall Mount - Certifications: ROHS, BIS, FCC, CE | 55 inches Professional Display <ul style="list-style-type: none"> - Screen Size (Diagonal) / Aspect ratio: 55" / 16:9 or better - Panel Type: IPS 'LED / Equivalent - Resolution (H x V): 1,920 x 1,080 pixels - Brightness: 350 cd/SqM or Better - Viewing Angle: 178° / 178° - Inputs: HDMI (2), RGB, Audio, USB or better - Mount: One floor Mount and One Wall Mount - Certifications: BIS |

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| 20 | 78 | Annexure-11, Detailed Specifications (Virtual Classroom with Digital assessment), Point No-1 | <p>Server- Processor: Intel Xeon/ AMD -- Minimum 4 Cores, Base Clock 3.0 GHz,- Cache 4 MB,- Memory: 8GB DDR4 ECC RAM, expandable to 64GB- SATA Controller: On-board SATA RAID Controller- HDD: 1 x 1TB SSD, 1 x 1TB SATA HDD 7200 RPM,- Display Port: 1 x VGA, 1 x HDMI- Audio: 1 x Mic in, 1 x Audio out- USB: 3.1 Gen1, USB 2.0 Ports- Connectivity: 2 x RJ45 Gigabit Ethernet LAN ports- Input Device: USB Key Board & USB Optical Mouse- Power Supply: Minimum 300W Power Supply- Operating System: Ubuntu 20.04 (64 bit) pre-installed</p> | <p>Server- Processor: Intel Xeon/ AMD -- Minimum 4 Cores, Base Clock 2.8 GHz- Cache 4 MB,- Memory: 8GB DDR4 ECC RAM, expandable to 64GB- SATA Controller: On-board SATA RAID Controller- HDD: 1 x 480GB SSD or higher, 1 x 1TB SATA HDD 7200 RPM- Display Port: 1 x VGA Or DP, 1 x HDMI. Necessary cards can be added to achieve the solution requirement- Audio: 1 x Mic in, 1 x Audio out- USB: 3.1 Gen1, USB 2.0 Ports- Connectivity: 2 x RJ45 Gigabit Ethernet LAN ports- Input Device: USB Key Board & USB Optical Mouse- Power Supply: Maximum 350W Power Supply- Operating System: Ubuntu 20.04 (64 bit) pre-installed- Out-of-Band Management Port: Dedicated 1 x 1G RJ45 with advanced license from Server hardware OEM.- Common Criteria certification : Minimum EAL2 or higher - Remote Support : As servers shall be deployed in remote locations, to maintain the uptime with remote IT support across all locations vendor should enable proactive support with automated support call logging for hardware RMA.</p> |
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| 21 | 78 | Annexure-11, Detailed Specifications (Virtual Classroom with Digital assessment), Point No-2 | <p>Interactive Flat Panel</p> <ul style="list-style-type: none"> - Size (Diagonal): 75 inches - Panel Technology: Direct type LED - Brightness: 350 cd/m2 or higher - Resolution: UHD (3840 x 2160-HDR10) - Display Colors: 1.07 billion - Viewing angle: 178 degrees - Screen Treatment: 8H or better - Contrast Ratio (typical): 1200:1 - Dynamic Contrast Ratio: 35000:1 - Panel Life Time (Min.) : 30000 Hrs - Active Area (H x V): 1428 x 804 mm or better - Operating Humidity: 90% - Refresh Rate: 60Hz - Deep Standby: 0.5W - Mechanical Features: Front Buttons, Rocker Switch - Video Input: 1xHDMI2.0 - Audio Input/output: Line In / Line Out - External Control: RJ45 - USB: 1 x Type B for Touch - Touch Interactivity: IR Technology - Continuous Touch Points: 10 Points - Sensitivity: Any Touch With Finger, gloved hand or pointer - Glass Type: Anti Glare (AG), 4mm Tempered - Response Time: 10mS or better - Touch Accuracy: +/-2mm (90% area) - Operating Temperature: +40 degree Celsius / 0 degree Celsius - Power Supply: 100~240V - Power Consumption: 330 W Typical or better | <p>Interactive Flat Panel</p> <ul style="list-style-type: none"> - Size (Diagonal): 75 inches - Panel Technology: Direct type LED - Brightness: 350 cd/m2 or higher - Resolution: UHD (3840 x 2160-HDR10) - Display Colors: 1.07 billion - Viewing angle: 178 degrees - Screen Treatment: 7H or better - Contrast Ratio (typical): 1200:1 - Panel Life Time (Min.) : 30000 Hrs - Active Area (H x V): 1428 x 804 mm or better - Operating Humidity: 90% - Refresh Rate: 60Hz - Deep Standby: 0.5W - Video Input: 1xHDMI2.0 - Audio Input/output: Line In / Line Out - External Control: RJ45 - USB: 1 x Type B for Touch - Touch Interactivity: IR Technology - Continuous Touch Points: 10 Points - Sensitivity: Any Touch With Finger, gloved hand or pointer - Glass Type: Anti Glare (AG), 3mm Tempered - Response Time: 10mS or better - Touch Accuracy: +/-2mm (90% area) - Operating Temperature: +40 degree Celsius / 0 degree Celsius - Power Supply: 100~240V - Power Consumption: 420 W Typical or better - Built-in Android version: ANDROID 11.0 or higher - ROM: 32 GB - RAM: 4 GB |
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| | | | <ul style="list-style-type: none"> - Built-in Android version: ANDROID 11.0 or higher - ROM: 32 GB - RAM: 4 GB - Built-in Speakers: Minimum 16W x 2 Speakers - OEM Having Service Centre in Odisha / Not blacklisted in any Govt. Organization - OEM ISO Certificate/MAF: Required - OEM Having minimum 10 Yrs Establishment in India | <ul style="list-style-type: none"> - Built-in Speakers: Minimum 15W x 2 Speakers - OEM Having Service Centre in Odisha / Not blacklisted in any Govt. Organization - OEM ISO Certificate/MAF: Required - OEM Having minimum 10 Yrs Establishment in India |
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| 22 | 79 | Annexure-11, Detailed Specifications (Virtual Classroom with Digital assessment), Point No-3 | <p>MFP PRINTER- Standard Functions: Digital Copier/Printer/Scanner- Type: Desktop- Memory: 64 MB- Type of Originals: Sheets- Max. Original Size: A4- Output Size: A4- Paper Capacity: Standard 150 sheets- Warm-up Time: Less than 30 Sec- Copy Speed: 18 ppm- Resolution: 600 dpi x 400 dpi- Exposure Modes: Standard- Scanner Type: Flatbed Scanner- Driver: Twain- Scanning Size: Max. A4- Scanning Resolution: 150 dpi x 150 dpi, 300 dpi x 300 dpi, 600 dpi x 400 dpi- Supported OS: Windows 10, Windows 2008 / 2008 R2/ 2012 / 2012 R2 / Red Hat Enterprise Linux5 / SUSE Linux Enterprise Desktop- Interface: USB 1.1 / 2.0 equivalent- Power Consumption: 800 W or less Power Requirement: AC220 to 240 V (50/60 Hz)</p> | <p>MFP PRINTER- Standard Functions: Digital Copier/Printer/Scanner- Type: Desktop- Memory: 32 MB or Better- Type of Originals: Sheets- Max. Original Size: A4- Output Size: A4- Paper Capacity: Standard 150 sheets- Warm-up Time: Less than 33 Sec- Copy Speed: 17 ppm or better- Resolution: 600 dpi x 400 dpi- Exposure Modes: Standard- Scanner Type: Flatbed Scanner- Driver: Twain- Scanning Size: Max. A4- Scanning Resolution: 150 dpi x 150 dpi, 300 dpi x 300 dpi, 600 dpi x 400 dpi- Supported OS: Windows 10, Windows 2008 / 2008 R2/ 2012 / 2012 R2 / Red Hat Enterprise Linux5 / SUSE Linux Enterprise Desktop- Interface: USB 1.1 / 2.0 equivalent- Power Consumption: 800 W or less Power Requirement: AC220 to 240 V (50/60 Hz)</p> |
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| 23 | 80 | | <p>Student Digital Assessment Set (50:1) :</p> <p>Receiver</p> <ul style="list-style-type: none"> - 2.4GHz digital two way RF technology, 32 RF channels - Should have common channel for all receivers as set up frequency for configuration - Should be able to change operating channel in real-time from the application - Port: REC-A: USB port or 232 port REC-C: USB port - Should be integrated with Virtual Classroom application <p>Transmitter Devices - 50Nos.</p> <ul style="list-style-type: none"> - Button to press 0-10, ABCDEF, true/false, like/dislike and hand-raise question - Text on the tools should be inscribed in Odia & English languages - Min 11 buttons with Functional Test report*# - Three modes configurable–RF receiver, Bluetooth and Local Storage - 2.4GHz two way RF with resting and operating channel managed by application - Should be able to send data over Bluetooth | <p>Student Digital Assessment Set (50:1) :</p> <p>Receiver</p> <ul style="list-style-type: none"> - 2.4GHz digital two way RF technology, 32 RF channels - Should have common channel for all receivers as set up frequency for configuration - Should be able to change operating channel in real-time from the application - Port: REC-A: USB port or 232 port REC-C: USB port/USB A Port <ul style="list-style-type: none"> - Should be integrated with Virtual Classroom application <p>Transmitter Devices - 50Nos.</p> <ul style="list-style-type: none"> - Button to press 0-10, ABCDEF, true/false, like/dislike and hand-raise question - Text on the tools should be inscribed in Odia & English languages - Min 10 buttons with Functional Test report*# - Three modes configurable–RF receiver, Bluetooth and Local Storage - 2.4GHz two way RF with resting and operating |
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| | | | <p>without receiver</p> <ul style="list-style-type: none"> - Store capacity of responses of 500 questions and auto-sync on Bluetooth/RF - LED status: green and red with various status indication - ID Address mapping from Application for real-time Roll number allocation - Transmission distance: around 50meters*# - Transmission angle:360 degree - Vibration test as per IS-9000*# - Drop Test as per IS9000*# - Operable environment (-10°Cto55°C) as perIS-9000*# - Color coded (Red, Green, Yellow, Blue) '- Transmitting Distance of 10-50 meters controllable from application real-time - Should be operable by replaceable two AAA batteries - OEM Should be ISO certified - Should be ROHS Compliant*# - Storage Rack should hold 50+Transmitter devices <p>*#Testing Certificate from Government/ Government authorized testing LAB required</p> | <p>channel managed by application</p> <ul style="list-style-type: none"> - Should be able to send data over Bluetooth without receiver - Store capacity of responses of 500 questions and auto-sync on Bluetooth/RF - LED status: Dual/Single LED with various status indication - ID Address mapping from Application for real-time Roll number allocation - Transmission distance: around 50meters*# - Transmission angle:360 degree - Vibration test as per IS-9000*# - Drop Test as per IS9000*# - Operable environment (-10°Cto55°C) as perIS-9000*# - Color coded (Red, Green, Yellow, Blue) - Transmitting Distance of 10-50 meters controllable from application real-time - Should be operable by replaceable two AA/AAA batteries - OEM Should be ISO certified - Should be ROHS Compliant*# - Storage Rack should hold 50+Transmitter devices <p>*#Testing Certificate from Government/ Government authorized testing LAB required</p> |
| 24 | 81 | Annexure-11, Detailed Specifications (Virtual Classroom with Digital assessment), Point No-7 | <p>UPS : 1 KVAPower Factor: 0.9CERTIFICATIONS :ISO Certification: BIS Certificate, ISO 9001:2015, ISO14001:2015, ISO 27001:2013, FCC CE Certification (Safety): IEC/EN-50091-2, IEC/EN 62040-2</p> | <p>UPS : 1 KVAPower Factor: 0.8CERTIFICATIONS :ISO Certification: BIS Certificate, ISO 9001:2015, ISO14001:2015, ISO 27001:2013 (Safety): IEC/EN-50091-2, IEC/EN 62040-2</p> |

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| 25 | | <p>Clause No-4, Pre-Qualification/Eligibility Criteria (Note Point)</p> | <ul style="list-style-type: none"> • Bidders who meet pre-qualification criteria might be called for LIVE demonstration to be technically qualified. Following components of the solution must be demonstrated: <ul style="list-style-type: none"> o Two-way interactive satellite class delivery and internet based class delivery on mobile. o Usage of student digital assessment devices and their successful working. o Digital Content demonstration – in English or Odia medium with embedded questions. o Mobile Application demonstration § Bidder should demonstrate working model of teacher app and student app <ul style="list-style-type: none"> • LIVE teacher and student login through mobile app • Student should receive LIVE class • Student video interaction with expert • LIVE Multiple Choice Question based assessment • MCQ based assessment in recorded sessions with interposed frames • Question & Answer during recorded sessions with interposed frames | <p>Bidders who meet pre-qualification criteria might be called for LIVE demonstration to be technically qualified. Following components of the solution must be demonstrated:</p> <ul style="list-style-type: none"> • Two-way interactive satellite class delivery and internet based class delivery on mobile. • Usage of student digital assessment devices and their successful working. • Digital Content demonstration – in English or Odia medium with embedded questions. • Mobile Application demonstration <ul style="list-style-type: none"> o Bidder should demonstrate working model of teacher app and student app o LIVE teacher and student login through mobile app o Student should receive LIVE class o Student video interaction with expert o LIVE Multiple Choice Question based assessment o MCQ based assessment in recorded sessions with interposed frames o Question & Answer during recorded sessions with interposed frames • Even though it is the responsibility of the service provider to provide the manage service for entire project, the following network bandwidth monitoring features may optionally be demonstrated. <ul style="list-style-type: none"> o Auto scan of various client videos seen on the screen. o Remote bandwidth activation at different bit rate. o Simultaneous near real time video of various remote client for teachers to be able to access attentiveness of students on the remote end. |
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| 26 | 11 | Clause No-4, Pre-Qualification/Eligibility Criteria (Note Point) | All Bidders shall submit an undertaking letter on their letterhead confirming that they are proposing a solution which is ready for demonstration and should confirm their readiness to demonstrate their proposed solution within 2 working days of receiving the intimation from OCAC. | All Bidders shall submit an undertaking letter on their letterhead confirming that they are proposing a solution which is ready for demonstration and should confirm their readiness to demonstrate their proposed solution within 7 working days of receiving the intimation from OCAC. |
| 27 | 22 | Clause No-6. Scope of work, Point No -(i) | Establishing 04 Main Broadcasting Studio setup at Bhubaneswar/Cuttack with necessary up linking hub to satellite communication. | Clarification : Establishing 04 Main Broadcasting Studio setup at Bhubaneswar/Cuttack with necessary up linking hub to satellite communication. The necessary civil works related to studio setup if any will be taken care by the department. Here up linking hub mean proposed VSAT Service Provider's shared hub anywhere in India |
| 28 | 25 | Clause No-6.1 (A) Content Management & Distribution System Application at Studio and Virtual Classrooms, Point No -(xv) | Platform should have a facility for recording LIVE sessions at the studios and virtual Classrooms. | Clarification : Provision of content editing facility in studio for live session recording available. |
| 29 | 26 | Clause No-6.1 (B), Digital Content , Integrated MCQ Question Bank to use within Digital Content | Multiple Choice Questions should be mapped with the Odisha state board curriculum and should be available in Odia and English. Each of these questions should be mapped with different levels of learning in cognitive topology, mapped with difficulty level. | Clarification : MCQs are needed for Odisha State Board Curriculum and for CBSE. |

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| 30 | 27 | Clause No-6.1 (C), Student Digital Analytics System, (LIVE Analytics) | Studio Teacher should be able to see Real-time student participation during the session and based on 'hand raise' indicators from students using the assessment devices to indicate a hard spot, they should be able to identify the area of difficulty in the lesson through an AI (Artificial Intelligence) supported mechanism. | Clarification : AI should be able to provide customized database feedback, Predictive analysis etc . |
| 31 | 27 | Clause No-6.1 (C), Analytics for class teachers in the dashboard after the LIVE session | Performance report of student should not just be derived on marks cored but also on deeper analytics based on weighted average of cognitive rigors, accuracy, difficulty level and response time | Clarification :Mainly four objectives under the rigor - Memory, Understanding, Application and Higher Order Thinking Skills (HOTS). HOTS covers the top of the pyramid of the congitive rigor. Along with it, time to be allotted to the question and Difficulty level in questions which will be changing continously based on student's input data. |
| 32 | 28 | Clause No-6.1 (C), Adaptive Remedial Learning for Students through Analytics derived in LIVE classes in classroom and LIVE & recorded classes in student app | The student analytics system should integrate gauging different aspects of cognitive rigor of students such as Memory, Understanding, Knowledge Application, and HOTS (Higher Order Thinking Skills). The application should derive various details of student performance such as level of knowledge gained, speed of answering, difficulty level mastered, and analytical skills. | Clarification : The performance report should be based on weigthd average (AI driven) of atleast these four parameters: Congnitive Rigor (obectives mainly - Memory, Understanding, Appication and Higher Order Thinking Skills) along with the difficulty level of the question, time taken to solve (response time) and accuracy (to avoid random selection). Analysis should be on the Cumulative wieghted score and not on just score taken in test. |
| 33 | 28 | Clause No-6.1 (C), Analytics Dashboard | Reports should also derive different facets of teaching performance and feedback for sessions. | Clarification : Analytics Dashboard is representation of deciscision making from the data collected form students assessment tools. As per the requirement of OSEPA, the bidder should be able to generate various reports form time to time during the project duration. Bidder may demonstrate on their existing reports during Demostartion |

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| 34 | 28 | Clause No-6.1 (D), Mobile App Based Learning Management System | A mobile app based Learning management system should be made available for teachers and students. It should enable organizing recorded sessions created on the virtual classroom platform. It should run on public cloud as well as on intranet. | Clarification : Approximate 20000 teachers accounts are required. |
| 35 | 28 | Clause No-6.1 (D), Features in Teacher App, Uploading Content for learning and reference files should include | . The platform should allow within the application uploading and access of Portable Document Files, Word files, PowerPoint presentations.. The platform should allow uploading and access of video files - it must be able to store the file in web friendly custom resolution and single format as part of the application. | Clarification : The provision of e-content is under the scope of the Bidder. Total project duration is for 5 years. Bidder has to estimate the storage requirement accordingly. |
| 36 | 32 | Clause No - 6.1 (F) Manpower for Instructional Services | Successful Bidder should assign dedicated academic manpower for core subjects like Mathematics, Science, English, Geography, Computer Education for Class 6 to 10 | Clarification : Successful Bidder should assign dedicated academic manpower for core subjects like Mathematics, Science, English, Geography, Computer Education for Class 6 to 12 |
| 37 | 69 & 75 | Annexure-11, Detailed Specifications, Regional Studio Setup, Point No-9) | Vector Encoder Server (Transmission Server) | Clarification : Bidder may propose any transmission server of equivalent or higher specifications which meets the solution requirement as per the RFP. |

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| 38 | 69,76 | Annexure-11, Detailed Specifications (Main Studio Setup, Point No-15 and Regional Studio Setup, Point No-11) | Laptop with application software <ul style="list-style-type: none"> - Intel Core i5 - Minimum 8GB RAM - Minimum 1 TB HDD - Display Minimum 14.0" - 1 USB 3.0, 2- USB 2.0, HDMI, VGA - Windows 10 64 bit or Ubuntu Latest - Virtual Classroom Application Software | Laptop with application software <ul style="list-style-type: none"> - Intel Core i5 or AMD Ryzen 5 - Minimum 8GB RAM - Minimum 480 GB SSD or higher - Display Minimum 14.0" - 1 USB 3.0, 2- USB 2.0, HDMI - Windows 11 bit or Ubuntu Latest - Virtual Classroom Application Software |
| 39 | 70 | Annexure-11, Detailed Specifications (Virtual Classroom with Digital assessment), Point No-12 | Servo Stabiliser- Capacity: 2 KVA- General Technology: Variac with Buck-Boost Transformer- Control Type: Micro Processor- Operating Env: Temp. 0-45° C, Humidity Up to 95% non-condensing- Input Voltage: 50V AC to 280V AC- Output Voltage: 220 +/- 1% Volt- Frequency Range: 50 ± 3% Hz- Efficiency: Better than 96%- Duty Cycle: Continues- Over Load Capacity: Up to 150% for 5 to 10mins- Display Panel: Input/ Output/ Overload- Metering: Digital (LED / LCD)- Protection Features: Over/ under voltage/ over load cut-off, Short circuit protection and output protection through MCB- Construction: MS sheet body with powder coated | Servo Stabiliser- Capacity: 2 KVA- General Technology: Variac with Buck-Boost Transformer- Control Type: Micro Processor- Operating Env: Temp. 0-45° C, Humidity Up to 95% non- condensing- Input Voltage: 90V AC to 280V AC- Output Voltage: 220 +/- 1% Volt- Frequency Range: 50 ± 3% Hz- Efficiency: Better than 96%- Duty Cycle: Continues- Over Load Capacity: Up to 150% for 5 to 10mins- Display Panel: Input/ Output/ Overload- Metering: Digital (LED / LCD)- Protection Features: Over/ under voltage/ over load cut-off, Short circuit protection and output protection through MCB- Construction: MS sheet body with powder coated |
| 40 | 71 | Annexure-11, Detailed Specifications (Virtual Classroom with Digital assessment) | BOQ for Satellite Connectivity | Clarification : Satellite connectivity and associated hardware are considered as managed services to be provided by the bidder, hence not considered as a part of the BOQ |
| 41 | 15 | 5.13.5. Submission of Bids | | Clarification : Bid document is to be submitted through ONLINE mode only in e-Nivida Portal. |

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| 42 | 65 to 87 | Annexure-11, Detailed Specifications (Main Studio Setup, Regional Studio Setup & Virtual Classroom with Digital Assessment | | Clarification : We have asked minimum specification in RFP, any bidder quoted higher specification is always acceptable. |
| 43 | 19 | Clause No - 5.17.3 | Evaluation & Tabulation of Financial Bids | Evaluation & Tabulation of Bids Based Upon (QCBS) Method: Technically qualify of the proposal will be given weightage of 70% and financial proposal weightage will be given to 30%. The price proposal of only those agencies who qualify technically that is who score minimum 70 out of 100 marks will be opened. Normalized Technical Score of the firm (Tn) = $(Tf / Th) * 100$ Tf: Technical score of the firm Th: Highest Technical score Normalized Financial Score of the firm (Fn) = $(Qi / Qf) * 100$ Qi: Lowest Quoted price Qf: Quoted price of the firm Final normalized score Sf = $Tn * 0.7 + Fn * 0.3$ |
| 44 | | New Addition | OCAC reserves the right | OCAC reserves the right to change the bill of quantity as well as bill of material as per the requirement of the project. |
| <p>Note:</p> <ul style="list-style-type: none"> • Bid document is to be submitted through ONLINE mode only. Physical Bid documents will not be accepted. • All other terms and conditions of RFP remain unchanged. • Last Date and Time for Submission of Bid Documents: 26.11.2023 by 03:00 PM. <p style="text-align: right;">Sd/- GM (Admn.), OCAC</p> | | | | |