

Corrigendum - V

RFP Enquire No: OCAC-SEGP-INFRA-0025-2023/25071

RFP for Selection of System Integrator (SI) for Procurement, Supply, Installation and Implementation of Robotic Labs.

Important: The corrigendum is to be read, duly signed and submitted along with the original RFP document published on (<https://enivida.odisha.gov.in/>)

Last Date and Time for Submission of Bid document: 23/09/2025 by 03:00 PM

Sl. No.	RFP Clause No	Page No	Original / Corrigendum Clause	Revised Clause/Clarification
1	RFP Clause No- 5.1 Prequalification Criteria, 4 (A), Technical Capability - I	19	<p>The Bidder or its consortium member must have successfully undertaken at least the following numbers of similar assignments of value specified herein: -</p> <p>One project of similar assignments in system integration, not less than the amount ₹50,00,00,000/- (Fifty Crores Only)</p> <p>OR</p> <p>Two projects of similar nature in system integration) not less than the amount ₹40,00,00,000/- (Forty Crores Only)</p> <p>OR</p> <p>Three projects of similar nature in system integration, not less than the amount ₹30,00,00,000/- (Thirty Crores Only)</p> <p>“Similar Nature” is defined as experience in Implementing STEM LAB/Robotics LABs/ Atal Tinkering LABs/ /ICT LABs/PAL LAB/ SMART Class, which includes Hardware, Application Software and other Education Services, in Government/Semi Government/PSU Schools/Colleges/Universities/Institutes in the last five years, as on date of bid submission. Purchase Order (PO) should be in the name of bidder or its consortium member only. All the components pertaining to STEM LABs/Robotics LABs/Atal Tinkering</p>	<p>The Bidder or its consortium member must have successfully undertaken at least the following numbers of similar assignments of value specified herein: -</p> <p>One project of similar assignments in system integration, not less than the amount ₹50,00,00,000/- (Fifty Crores Only)</p> <p>OR</p> <p>Two projects of similar nature in system integration) not less than the amount ₹40,00,00,000/- (Forty Crores Only)</p> <p>OR</p> <p>Three projects of similar nature in system integration, not less than the amount ₹30,00,00,000/- (Thirty Crores Only)</p> <p>“Similar Nature” is defined as experience in Implementing STEM LAB/Robotics LABs /ATL/ ICT LABs/Science LAB/SMART Class, which includes Hardware, Educational Application Software and other Education Services, in Government/PSU Schools/ Colleges/Universities/Institutes in the last five years, as on date of bid submission. Purchase Order (PO) should be in the name of bidder or its consortium member as a sole bidder / consortium member. All the components pertaining to STEM LABs/Robotics LABs/ATL/ICT LAB/Science</p>

			LABs/ICT LABs/PAL LABs/Smart Class should be clearly included in the PO".	LAB/Smart Class should be clearly included in the PO".
2	RFP Clause No- 7.7, Payment Terms, Point No-3	31	Balance 20% of the Contract Value will be released on Quarterly Basis i.e., in 20 Quarters during the Operation & Maintenance Support Period.	Balance 20% of the Contract Value will be released on Quarterly Basis i.e., in 12 Quarters during the Operation & Maintenance Support Period.
3	The RFP Clause No- 5.2, Evaluation & Tabulation of Technical Score, Point No-1	21	<p>Bidder/Consortium member should have related annual average annual turnover of minimum ₹200 Crores during last three Financial Years i.e., FY 2021 22, 2022-23, 2023-24.</p> <p>> ₹200 Cr to <= ₹250 Cr = 05 Marks > ₹250 Cr to <= ₹350 Cr = 08 Marks > ₹350 Cr Above = 10 Marks</p>	<p>Bidder/Consortium member should have related annual average annual turnover of minimum ₹180 Crores during last 3 financial years ending with 2023-24 (i.e. 2021-22, 2022-23, 2023-2024) OR (2022-23, 2023-2024, 2024-25)</p> <p>> ₹180 Cr to <= ₹230 Cr = 05 Marks > ₹230 Cr to <= ₹280 Cr = 08 Marks > ₹280 Cr Above = 10 Marks</p>
4	RFP Clause No-7.11, Minimum Technical Specifications and BOQ	36	<p>B: - Robotics Do It Yourself (DIY) Kits: Component details: -</p> <p>The Robotics DIY (Do it Yourself) Kit should be programmable & should AI-compatible educational robotics kit to offer the opportunity to explore and innovate in the field of robotics, and its integration with cloud through the Internet of Things. The kit should be compatible with open source Mobile App Controlled (Android & IOS).</p> <p>The Kit should have microcontroller programming boards having Architecture to have server-client communication add On sensors for input of the system, on/off Switch, on-board 12volt, 5-volt and Ground supply, functional components can be connected via connectors LCD 16*2 display on board. All the sensors required to cover the curriculum should be part of this KIT.</p> <p>This kit should include a minimum 2-level durable plastic platform Minimum Shell Size 28*23*11 CM(L*W*H), white colour Body with Expandable Structure mechanism with minimum 8 nos of M3/M4 cylindrical Mounting fit with</p>	<p>Robotics Do It Yourself (DIY) Kits Component Details: -</p> <p>The Robotics DIY (Do it Yourself) Kit should be programmable & should AI compatible educational robotics kit to offer the opportunity to explore and innovate in the field of robotics, and its integration with cloud through the Internet of Things. The kit should be compatible with open source Mobile App Controlled (Android & IOS).</p> <p>The Kit should have ESP8266 / Arduino or equivalent microcontroller programming boards having Architecture to have server-client communication, Wi-Fi add On sensors for input of the system through Connectors like FRC/JST, F/F Pin, USB Socket or equivalent Connectors, on/off Switch, on-board 12volt, 5-volt and Ground supply, functional components can be connected via connectors LCD 16*2 display on board. All the sensors required to cover the curriculum should be part of this KIT.</p> <p>This kit should include a minimum 2-level durable Metal/Plastic platform, Minimum Shell Size 28*23*11 CM(L*W*H), Body with Expandable Structure mechanism</p>

		<p>brush insert, 4 in front and 4 in back for add-on structure building allowing students to enhance their robotics projects. Equipped with two metal geared DC motors (60/100 RPM), 3/4-wheel configuration, should allow students to construct the projects of the class 10th robotics curriculum.</p> <p>The robot development board must be a single Board mounted on the robot body with 4no of brush insert Mounting fit, safe for the learners and all the components on board should connect through F/F jumper wire to design projects, 12-volt rechargeable 41 pack with BMS, DC Power Jack (Female Socket) mounted in the body for external power input, Voltage Level Indicator.</p> <p>Add On Single Peripheral Board with components (DC Socket, capacitor's, 5 volts 12-volt Voltage regulators, resistor's, IC's, LED's, Transistor's, MIC, Buzzer, Push buttons, Diode's, Variable resistor's, LCD Display, motor driver), on-board 20 lines of each 12volt, 5-volt and Ground supply. The development board should have reverse voltage protection for the safety. The kit should have manual/Charts for step by-step building instructions accompanied by a detailed video curriculum in Odia Language for interactive learning, Robot coding software with Open source / perpetual licence.</p> <p>Sensors: Soil moisture Sensor, raindrop sensor, Vibration Sensor module, Gas Sensor Module, Ultrasonic Sensor</p> <p>For Class 10 Robotics Curriculum: 1. Wi-Fi Controlled robot, 2. Soil moisture monitoring robot, 3. Advanced rain-sensing robot and cloud monitoring, 4. Autonomous Pick and Place robot, 5. Smart Remote location environment monitoring robot, 6. Factory Gas Leakage Alert Robot, 7. Earthquake detection &</p>	<p>with minimum 8 no's of M3/M4 cylindrical Mounting fit with brush insert, 4 in front and 4 in back for add-on structure building allowing students to enhance their robotics projects. The Chassis should have 4 no of cylindrical mount with brush insert to attach the Peripheral Board. Equipped with two geared DC motors (60/100 RPM) Metal Geared Centre shaft, Shaft diameter 0.6 mm, 3/4-wheel configuration, should allow students to construct the projects of the class 10th robotics curriculum, safe for the learners and all the components on board should connect through F/F jumper wire to design projects, 12-volt rechargeable battery pack with BMS, Battery Capacity $\geq 3000\text{mAh}$, DC Power Jack (Female Socket) mounted in the body for external power input, Voltage Level Indicator: volt meter 3 digit seven segment display. Add on Single Peripheral Board with components (DC Socket, capacitor's, 5 volts 12-volt Voltage regulators, resistor's, IC's, LED's, Transistor's, MIC, Buzzer, Push buttons, L293d IC base, Diode's, OLED Display interface, 3 servo motor interface, Relay interface, DIP Switch, Variable resistor's, LCD Display, motor driver), on-board of 12volt, 5-volt and Ground supply. The development board should have reverse voltage protection for the safety. The kit should have manual/Charts for step by-step building instructions accompanied by a detailed video curriculum in Odia and English Language for interactive learning, Robot coding software with Open source / perpetual license.</p> <p>Sensors: Soil moisture Sensor, raindrop sensor, Vibration Sensor module, Gas Sensor Module, Ultrasonic Sensor.</p> <p>For Class 10 Robotics Curriculum: 1. Wi-Fi Controlled robot, 2. Soil moisture monitoring robot, 3. Advanced rain-sensing robot and cloud monitoring, 4. Autonomous Pick and Place robot,</p>
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			alarm robot, 8. Human Detection & avoidance Robot, 9. mart environment monitoring robot, 10. Automated guided robot.	5.Smart Remote location environment monitoring robot, 6.Factory Gas Leakage Alert Robot, 7.Earthquake detection & alarm robot, 8.Human Detection & avoidance Robot, 9.mart environment monitoring robot, 10.Automated guided robot
5	RFP Clause No- 7.11, Minimum Technical Specifications and BOQ	41	<p>Prototyping Tools Per Lab Component (3D Printer): -</p> <ul style="list-style-type: none"> • Display Screen Size 4.3 Inch or Better • Nozzle Diameter: Multiple nozzle options • 3D Printer for Educational Prototyping • Built volume 220*220*220 • Touch Screen, Auto levelling, Core XY Structure • Power Supply: AC 100-120/200-240V, 50/60Hz,350W • Platform Temperature: 100°C • Integrated Printing Management • Extruder vibration suppression algorithm • All metal frame covered in acrylics on the sides • Max travel speed: 600mm/s • Connectivity: Wi-Fi, Ethernet, USB 	<p>Prototyping Tools Per Lab Component (3D Printer): -</p> <ul style="list-style-type: none"> • Display Screen Size 4.3 Inch or Better • Nozzle Diameter: Multiple nozzle options • 3D Printer for Educational Prototyping • Built volume 156*156*156 or Better • Touch Screen, Auto levelling, Core XY Structure • Power Supply: AC 100-120/200-240V, 50/60Hz,350W • Platform Temperature: 100°C - 300°C • Integrated Printing Management • Dual Gear Direct Extruder • All metal / Aluminium frame • Travel speed: 500-600mm/s • Connectivity: Wi-Fi/Ethernet/USB
6	RFP Clause No- 7.11, Minimum Technical Specifications and BOQ	40	<p>C: - Innovative Project Component Details.</p> <p>Serial No-18: Storage Rack/Self for Component box (size 30 X 20 X 25 CM) / 6/3 feet.</p> <p>Quantity -2</p>	<p>Storage Rack/Self for Component box (size 30 X 20 X 25 CM) / 6/3 feet, With 5 rows</p> <p>Quantity - 4</p>
7	RFP Clause No- 7.11, Minimum Technical Specifications and BOQ	42	<p>E: - Prototyping Tools Per Lab Component Details.</p> <p>1/2.8 Inch or Better 5MP CMOS Sensor, 3.6mm lens, upto 30 meter IR Image Sensor Fixed Indoor AI Vandal Dome Camera, SD Card support upto 1TB, IP67 & IK10 Compliant.</p>	<p>1/2.8 Inch or Better 2MP CMOS Sensor, 3.6mm lens or Better, upto 30 meter IR Image Sensor Fixed Indoor AI Vandal Dome Camera, SD Card support with 512GB, IP66/IP67 & IK10 Compliant.</p> <p>Certificate – BIS/ER- STQC certification</p> <p>Quantity -1 per LAB</p>

8	RFP Clause No- 7.11, Minimum Technical Specifications and BOQ		E: - Prototyping Tools Per Lab Component Details. New Addition in corrigendum.	Supply of 1 Kilowatt (kW) Inverter with a 180Ah (Ampere-hour) battery at each Robotic LAB. Quantity -1 The item dropped from the BOQ.
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Note:

- 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.

SD/GM (Admn.)
OCAC