Corrigendum No. BEPC/ATL Lab/2024-25/4132 Dated 24/10/2024

RFP Reference No. BEPC/ATL Lab/2024-25/3977 Dated 07.10.2024
(e-Tender Id 74504)

दिनांक 16.10.2024 को पूर्वाह्न 11:00 बजे से सम्पन्न Pre-Bid की बैठक (ऑनलाइन) की कार्यवाही।

Pre-Bid की ऑनलाइन बैठक में निम्नांकित एजेन्सी/फर्म के प्रतिनिधि द्वारा भाग लिया गया।

Sl. No	Agency / Firm	Name of Representatives
1	Faxonics Technologies Pvt Ltd., Maharashtra	Mr. Ashutosh
2	Respire Group, Ahmedabad	Mr. Rahul
3	STEMROBO Technologies Pvt Ltd.,	Mr. Rohit
4	Gurukulgyan Learning Pvt. Ltd.	Mr. Pulkit Mittal
5	B.M. Education, Patna	Mr. Pawan Kumar

प्री–बीड की बैठक (ऑनलाइन) में सर्वप्रथम इस कार्यालय को ई–मेल के माध्यम से प्राप्त 04 एजेन्सी के पृच्छा की जानकारी दी गई। बैठक में सम्मिलित सभी एजेन्सी/फर्म के प्रतिनिधियों द्वारा अपने–अपने पृच्छा (Query) के बारे में अवगत कराया गया।

एजेन्सी/फर्म, जिनके द्वारा ई–मेल के माध्यम से पृच्छा (Query) नहीं दिया गया है, उन्हें ई–मेल द्वारा पृच्छा भेजने का अनुरोध किया गया।

प्री–बीड की बैठक (ऑनलाइन) में हुए विमर्श तथा RFP की कंडिका 3.5 के आलोक में इस कार्यालय को दिनांक 16.10.2024 तक प्राप्त पृच्छा (Query) पर सम्यक् विचारोपरांत Clarifications का विवरण अनुलग्नक– 1 के रुप में संलग्न है।

24/10/24

24.10.24

प्रशासी पदाधिकारी,
बिहार शिक्षा परियोजना परिषद्

RFP Reference No. BEPC/ATL Lab/2024-25/3977 Dated 07.10.2024
(e-Tender Id 74504)
Pre-Bid Query-cum-Clarification

Sl	Name of Agency/Firm	Bidding Document Reference (Number//Page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
1	Sanjay Kumar, Director Mail id: tenders@technovatelearning.com Technovate Learning Pvt Ltd Add:- Unit no.: 809, Plot No. B-8, Netaji Subhash Place, Pitampura, New Delhi-110034	Page No.:18 , Technical Evaluation Criteria, point no 2	The bidder should have Experience in implementation of ATL/STEM labs/Science Lab/Math Lab in single order Government schools under State or Central Government in last five years as on 31.03.2024.	Please extend the time till bid submission date in place of 31.03.2024 for wider participation	The work orders and completion certificates will be considered up to the date of this tender's publication. This will apply to all clauses where work orders and completion certificates are required for Prequalification and Technical Qualification.
		Page No.:18 , Technical Evaluation Criteria, point no 3	The bidder should have Experience in implementation of ATL Lab in Government schools under State or Central Government in last five years as on 31.03.2024.	Please add ATL/STEM labs/Science Lab/Math Lab in Experience criteria and extend the time till tender submission date in place of 31.03.2024 for wider participation	Addressed as above.
		Page No.:18 , Technical Evaluation Criteria, point no 4	The bidder should have Experience of Project with QR based Supply Chain Monitoring Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	Please extend the time till tender submission date in place of 31.03.2024 for wider participation	Addressed as above.

		Page No.:19 , Technical Evaluation Criteria, point no 5	The bidder should have Experience of Project with Learning Management Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2023.	Please add Learning Management Software/Assessment Platform and extend the time till tender submission date in place of 31.03.2024 for wider participation	Addressed as above.
		Page No.:19 , PERFORMANCE BANK GUARANTEE (PBG)	The successful bidder must furnish an unconditional and irrevocable bank guarantee / demand draft, in a format acceptable to BEPC, GoB valid for the contract term, of a value equivalent to 5% of the contract value within 07 days of award of Letter of Intent (LOI). PBG will be valid till 31.03.2025.	Please reduce PBG equivalent to 3% of contract value in place of 5%	As per RFP
		Page No.:19 , Sample Evaluation Criteria	Additional Queries	Please confirm Sample is returned to bidder or not after evaluation of Bid, as the material of sample are costly, we request for return of samples.	Sample of unsuccessful bidder will be returned after the evaluation of bid.
		Page No.:19 , Scope of Work	The rates shall be on F.O.R at 76 secondary/senior secondary across the Bihar, or any of the locations as per the requirement within Bihar. BEPC shall made available the details regarding all 76 secondary/senior secondary with Nodal Officer name and contact number where selected agency shall supply, install and conduct training for the functioning of lab.	Please share list of schools for competitive costing	List of schools will be shared with work order/Letter of Acceptance.
		Additional Queries		Please share MAF format if department has any specific format of MAF	As per RFP
		Additional Queries		Please share EMD format	As per RFP

		Page No.: 42, Annexure-1	Important Note: It is mandatory for all to provide 2 years of comprehensive warranty at no additional charge (including for 3 D printers). It is mandatory for all to provide 3 years of comprehensive AMC, wherever applicable, and clearly indicate the terms and conditions of the same.	Please remove this clause as per the terms and conditions one year standard warranty provided for the given items.	It may read as - "A comprehensive one-year warranty, in line with industry standards shall be provided on all equipment (excluding consumables). For the Annual Maintenance Contract (AMC), BEPC will establish terms and conditions with the successful bidder in line with NITI Ayog Guidelines at the time of purchase order allocation, based on the available budget for AMC."
2	Ashutosh Singh, Manager, Faxonics Technologies Pvt. Ltd. Email id: tenders@faxonics.com Add: 502, Maruti Mansion, 17 Raghunath Dadaji Street, Fort-Mumbai-400001	Bid Security, Page No. 10	a) Bidders shall submit, along with their Bids, EMD of INR 16 lakhs (Sixteen Lakhs only) in the form of Bank Guarantee issued by any Scheduled bank. EMD will be valid till 31.12.2024. (Bank Details: State Project Director - BEPC, A/c No. 245001000002776, IFSC Code - IOBA0002450)	Kindly provide EMD format.	As per RFP
		Technical Evaluation Criteria, Page No. 18	The bidder should have Experience in implementation of ATL/STEM labs/Science Lab/Math Lab in single order Government schools under State or Central Government in last five years as on 31.03.2024.	Kindly allow last five years as on tender publish date instead of 31.03.2024. This shall allow more participation.	Addressed as above.

		Technical Evaluation Criteria, Page No. 18	The bidder should have Experience in implementation of ATL Lab in Government schools under State or Central Government in last five years as on 31.03.2024.	Request to make it uniform fields in accordance to other clauses, Kindly allow Experience in ATL/STEM labs/Science Lab/Math Lab in last five years as on tender publish date instead of 31.03.2024.	Addressed as above.
		Technical Evaluation Criteria, Page No. 19	The bidder should have Experience of Project with QR based Supply Chain Monitoring Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	Kindly allow last five years as on tender publish date instead of 31.03.2024.	Addressed as above.
		Technical Evaluation Criteria, Page No. 19	The bidder should have Experience of Project with Learning Management Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2023.	Request to make it uniform year in accordance to other clause, Kindly allow Experience of Project with Learning Management Software tools and Assessment software tools as on tender publish date instead of 31.03.2024.	Addressed as above.
		Payment, Page no 22		Request to please consider 80% payment on delivery , as major of the capital investment is made on supply of the equipment	As per RFP
		page no 16, samples		Please clarify if demo logins to be shared for both assessment and supply chain monitoring software	As per RFP
		Delivery period, Page no		Kindly request to increase the delivery days 110 days inclusive of installation and training at all locations	As per RFP
		Page no 42, Important Note		Request to make it as comprehensive warranty for one year, as AMC for the provided equipment shall be additional cost	Addressed as above.

3	Mr. Pulkit Mittal Gurukulgyan Learnings Pvt. Ltd., Rajasthan E-mail: gurukulgyan11@gmail.com Mobile:9319995464	27	Advanced Robotic consists of robotic parts, DC motors, Servo motors, OLED Display, Controllers based on ATMEGA328P and different type of sensor	1 Number of motors required not specified, need accurate specifications	As per RFP
		32	Robotics DIY kit with programmable intelligent brain/brick. The kits are required ot feature a robust physical framework minimum 200mm x 125mm x3mm, constructed from metal or plastic, providing the necessary structure and mounting points for other components. The brain of the kit should include a programmable CPU utilizing AVR architecture, operating at a clock speed of 16 MHz and a voltage of 5V. It should offer a minimum of 14 digital 1/0 ports and 6 analog input ports, along with essential features such as USB connectivity, a power jack, an ICSP header, and a reset button. Additionally, the communication module should enable Bluetooth 2.0+EDR connectivity operating at 2.4 GHz frequency, with a range of approximately 10 meters, complete with a built-in antenna and support for multiple baud rates ot facilitate flexible communication speeds.	81 Need Detailed Specifications, this is just half of the specifications	As per RFP

		33	The kits should feature DC Motors with dimensions not less than 65mm x25mm x 20mm. The motors must operate within a voltage range of 3-12V, with a minimum speed of 150 RPM and kit is the plastic wheel, featuring a minimum diameter of 60mm and width of 20mm. The wheels should be equipped with rubber grip for improved traction. A 12.6V rechargeable lithium-ion (Li-ion) battery pack. This pack is composed of three 18650 cells and features a charging DC jack port for convenient recharging. Designed in a brick form factor, the battery pack comes encased ni a protective plastic housing and should acharging adapter accepting input voltages ranging from 100VAC to 260VAC, with an input frequency range of 50Hz ot 60Hz. The kits should include all necessary hardware components such as contained nuts, bolts, spacers and wires ensuring ease of construction and structural integrity. The kit must a BIS standard under Safety of Electric Toys IS 15644: 2006, and BIS Toys Category "C" and Sub Category 81	81 Kindly share Detailed Specifications	As per RFP
		34	Agritech KitThe Agri-Tech kit is a complete Internet of Things (IoT) based device which can be used to monitor as well as to control theagricultural parameters such as, soil moisture, rainfall, air quality around the crops, temperature and humidity on the field. In addition, the kit contains the flame detector which detects if there is anyunfortunate fire scenario down the field. The 4 kit contains the fully enabled Wi-Fitransceiver which facilitates the user tocombine all the field parameters and uploaded to the cloud, which can be seen anytime and anywhere followed by monitoring and automatic control. The Wi-Fi transceiver also allows the user to remotely trigger actions like an alarm, pump ete on the field.	83 Specifications should be - " AGRITECH KIT FOR EDUCATIONAL PURPOSE"	As per attached revised specification.

		39	Interactive Flat Panel (1 No) Specification Category Panel Touch screen Inbuilt Configuration Connectivity Audio Configuration Specification Attribute Diagonal Size & Resolution Light life Brightness Touch technology &Touch Points Touch response time & Accuracy CPU &Speed OS Memory RAM Memory Storage 1/0Ports Microphone Speaker, Subwoofer Details 65" or Higher, UHD 3840 ×2160 pixels 50,000 hrs o r higher 400 nits or Higher Infrared touch, 20 points or Higher <8ms or faster, +1.0 mm or better Quad-core A73+ Quad- core A53 or later, 2.2GHzorHigher Android 11.0 or later 8GB or Higher 128GB or Higher 1xVGA, 3xHDMI 2.0 IN &1xHDMI 2.0 Out port, 1xDP, USB 2.0 x 2 + 3.0 × 2, USB B- x2, 1xUSB Cport, SPDIF x 1, RS232 x , 1 LAN P o r t x 1 8 or more 2 × 16 W Speaker & 1x Built-in Software Functionalities Connectivity Functionalities 16 W Subwoofer	5 Interactive Flat Panel (1 No) Specification Category Panel Touch screen Inbuilt Configuration Connectivity Audio Configuration Specification Attribute Diagonal Size & Resolution Light life Brightness Touch technology &Touch Points Touch response time & Accuracy CPU &Speed OS Memory RAM Memory Storage 1/0Ports Microphone Speaker, Subwoofer Details 65" or Higher, UHD 3840 ×2160 pixels 50,000 hrs o r higher 400 nits or Higher Infrared touch, 20 points or Higher <8ms or faster, +1.0 mm or better Quad-core A73+ Quad- core A53 or later, 2.2GHzorHigher Android 11.0 or later 8GB or Higher 128GB or Higher 2xHDMI 2.0 IN &1xHDMI 2.0 Out port, USB 2.0 x 2 + 3.0 × 2, USB B- x2, 1xUSB Cport, SPDIF x 1,1 LAN P o r t x 1 8 or more 2 × 16 W Speaker & 1x Built-in Software	As per RFP

			PM2.5 Particle sensor, Temperature, Humidity, Air, Motion Sensor, Flicker Free, Low Blue Light, Bluetooth, WI Fi, NFC White Boarding, Wireless Screen Sharing, Quick Access Tool	Functionalities Connectivity Functionalities 16 W Subwoofer PM2.5 Particle sensor, Temperature, Humidity, Air, Motion Sensor, Flicker Free, Low Blue Light, Bluetooth, WI Fi, NFC White Boarding, Wireless Screen Sharing, Quick Access Tool	
		18	The bidder should have experience in implementation of project with QR based Supply chain monitoring software tools in government School/Institution under state or central Government/autonomous body in last five years as on 31.03.2024	3 As this is the outsourced work in the ATL project can we submit the declaration of using the QR based supply chain monitoring	As per RFP
		19	The bidder should have experience in implementation of project with learning management system tools in government School/Institution under state or central Government/autonomous body in last five years as on 31.03.2024	4 Please confirm if we can submit the declaration and screenshot of project with user id and login for demo	As per RFP
4	Divya Gurnani Project Executive Monika Yadav Founder & Director Respire Group	Eligibility Criteria	Bidder should be a company registered under Indian Companies Act 1956/2013	In EOI Reference No: BEPC/LAB/2024/3292, Proprietor firms were allowed however the same has been removed in the Tender document. As the mentioned clause is restrictive in nature, kindly amend and allow Proprietor firms also.	As per RFP
		Eligibility Criteria	Samples for all the items along with the videos and user manuals, demo logins of the proposed software as per the scope of work are to be submitted on or before bid submission date	Submission of samples during the pre-qualification stage is difficult and material gets damaged/corroded till the sample checking date making it useless. Request to remove it from Eligibility criteria and only qualified bidders should be asked to demonstrate samples.	As per RFP

		Eligibility Criteria	OEM MAF - The bidder should submit the manufacturer authorization for Specified item ot be supplied as per Annexure-1. OEM cannot authorize one tool/item to more than one Bidder under this RFP. Bidder should also OEM POA of the signing authority	1. MAF is requested for only 3 items in entire tender where as it should be requested for all major kits and packages. 2. Good OEM brands are used by multiple vendors in market and hence only single OEM per vendor makes the bid restrictive in nature.	As per RFP
		Eligibility Criteria	OEM criteria	Different types of financial documents are requested for OEMs for the tender. OEM should be checked for their quality certificates and service support instead of average annual turnovers. Kindly consider the same.	As per RFP
		Eligibility Criteria	The net worth of the bidder in the last five financial years, (as per the last published audited balance sheet) should be positive. The bidder should be profitable and should not be in loss in the last five years (as per the last published audited balance sheet) i.e. during 2021-22 to 2023-24.	Five years are mentioned for Net worth and Profitable certificate however only three financial years are mentioned during 2021-22 to 2023-24 in the criteria. Kindly clarify.	As per RFP
5	Saurabh AbhishekBusiness Headinfo@learn-technology.in	Page 15, Point 1	Consortium is not allowed	Its Service sector Bid, only to take Material and Dump in Schools is not the purpose of this bid so if multiple company will work than ATL Labs will be supported by any one of the company.Consortium should be Allowed, with terms that if one company will not give support than the another company has to support.	As per RFP
		Page 15, Point No 2	Turn over Should be 5 Cr	As we Know that in 20-21 and 21- 22 entire world was facing with covid Issue, during those period entire business was slow down, so within 2 year its not possible to reach and maintain 5 cr business Expect Relaxation with point 1 and 2	As per RFP

		Page 15, Point No 3	last 5 year company should be Profitable	That was Covid time so it should be in consideration Relaxation required	As per RFP
		Page 16, Point No 5	one Project cost - 3cr 2 Project Cost - 2.25cr 1 Project cost - 1.50 Cr similar exp in last 3 year	To successfully run the tinkering, how this Project value matters, and how this Project is related with other project. Example if my Company installed 500 Maths Lab in AP, isn't mean that my Company can successfully implement the tinkering Lab. Tinkering lab is Completely different from others lab. In All over India more than 70-80% Maths Lab are Active because Maths Teachers are running where as only 5-10% Tinkering labs are active because it need specialisation, it should Mapped with Curriculum. If Bihar govt talking about Setup of ATL Lab it must be exp considered all Document for ATL only.	As per RFP
		Page 16 Point no 6	Sample Submission of Video Curriculum and Login of Software's	ATL Program was Initiated by Niti Aayog (AIM), On their website its available on free of Cost, No special login and sharing date with any one is required this is the link:- https://aim.gov.in/atl-curriculum-hindi.php its dual language Curriculum if its free Available why it considered as eligibility point	As per RFP
		Page 16 Point 8	MAF Required	For the Tinkering Lab why MAF Is Required of Computer, Sewing machine and Interactive panelIts Not Required, and they are not taking important part ofTinkering lab	As per RFP

		Page 16 Point 9	OEM Criteria	Why Only Computer, Sewing Machine and Interactive panel OEM is Required, As per RFP Tinkering Lab takes 40% of Electronics items -- Package 1 10% of Package 2 15% Mechanical tools package 3 and 5% of Package 4 rest % is from IT Equipment and Furniture but sewing machine, computers and interactive panel is taking only 1% of part of entire package. So why need oem from those segment only Electronics Equipment OEM should be Given Preference India Recently enters in semiconductor Industry, such movement will help India semiconductor industry	As per RFP
		Page 16 Point 9	ISO 27001	Its Cloud Based ISO, How Cloud Based ISO is Important for this Segment Should Removed	As per RFP
		Page 19 Point 6	QR Based Supply chain	Who will check this regularly where school material reached To supply the material is one time job but to run the lab is Continuous Process, rather than one time work more focus on Continuous Running work	As per RFP

6	SOUNDARAYA KUMARDIRECTOR,PEYMAGEN INFORMATICS AND AUTOMATION PVT. LTD.Address: 5-D, POCKET-4(EHS FLATS), MAYUR VIHA-3, NEW DELHI-110096Telephone: 011-22617624 (Toll Free: 1800 117 417)E-Mail: info@peymagen.comMobile: 9811677417	BEPC/ATLLab2024-25/3977, Page No-15	The Bidder should have an annual turnover of INR 5 (Five) crore or more every year in the last three financial years ended on 31.03.2024 during 2021-22 to 2023-24	An average Turnover criteria of 3 Cr for last three years would be more realistic and allow more participation, making the bid more responsive.	As per RFP
		BEPC/ATLLab2024-25/3977, Page No-17	OEM Criteria	The OEM financial criteria is too high. May relax it suitably.	As per RFP
		BEPC/ATLLab2024-25/3977		Exemptions for MSME/ STARTUPS be allowed	As per RFP
7	STEMROBO Technologies Pvt Ltd	18 (Technical Evaluation Criteria)	2. The bidder should have Experience in implementation of ATL/STEM labs/Science Lab/Math Lab in single order Government schools under State or Central Government in last five years as on 31.03.2024.	Request to change the clause as " The bidder should have Experience in implementation of ATL/STEM labs/Science Lab/Math Lab in single order Government schools under State or Central Government in last five years as on **bid submission date."**	As per RFP
		18 (Technical Evaluation Criteria)	3. The bidder should have Experience in implementation of ATL Lab in Government schools under State or Central Government in last five years as on 31.03.2024.	Request to change the clause as " The bidder should have Experience in implementation of **ATL/STEM labs/Science Lab/Math Lab** Lab in Government schools under State or Central Government in last five years as on **bid submission date."**	As per RFP

		18 (Technical Evaluation Criteria)	4. The bidder should have Experience of Project with QR based Supply Chain Monitoring Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	Request to change the clause as "The bidder should have Experience of Project with QR based Supply Chain Monitoring Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on **bid submission date."**	As per RFP
		19 (Technical Evaluation Criteria)	5. The bidder should have Experience of Project with Learning Management Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2023.	Request to change the clause as " The bidder should have Experience of Project with **Learning Management Software/Assessment Platform** tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on **bid submission date."**	As per RFP
		Additional Queries		Format for Self-Declaration for Non-Blacklisting (Annexure-3) Not available in bid documents, Kindly provide same.	As per RFP
		Additional Queries		MAF Format Not available in bid documents, Kindly provide same.	As per RFP
		20 (4.2 Sample Evaluation Criteria)	New Clause Request	A samples are of high value, kindly request for return of samples post bid evaluation	Addressed as above.

8	E3dify Technologies Pvt Ltd	27 (Technical Specification)	Robotics Arm	The specifications mentioned for the kits appear to be generic and open-ended. With these specifications, one vendor could provide the kit of ₹500, while another may provide the kit of ₹2000. This could make it challenging for the BEPC committee to evaluate the quality of the kits. Therefore, we recommend that the BEPC clearly define the technical specifications for the kits, allowing bidders to refer to these specifications and provide kits accordingly.	As per attached revised specification.
		33 (Technical Specification)	Mechanical (Modular) Construction Kit	The specifications mentioned for the kits appear to be generic and open-ended. With these specifications, one vendor could provide the kit of ₹500, while another may provide the kit of ₹2000. This could make it challenging for the BEPC committee to evaluate the quality of the kits. Therefore, we recommend that the BEPC clearly define the technical specifications for the kits, allowing bidders to refer to these specifications and provide kits accordingly.	As per attached revised specification.

		33 (Technical Specification)	Agri Tech Kit	The specifications mentioned for the kits appear to be generic and open-ended. With these specifications, one vendor could provide the kit of ₹500, while another may provide the kit of ₹2000. This could make it challenging for the BEPC committee to evaluate the quality of the kits. Therefore, we recommend that the BEPC clearly define the technical specifications for the kits, allowing bidders to refer to these specifications and provide kits accordingly.	As per attached revised specification.
		33 (Technical Specification)	Other Potential STEM Kit	The specifications mentioned for the kits appear to be generic and open-ended. With these specifications, one vendor could provide the kit of ₹500, while another may provide the kit of ₹2000. This could make it challenging for the BEPC committee to evaluate the quality of the kits. Therefore, we recommend that the BEPC clearly define the technical specifications for the kits, allowing bidders to refer to these specifications and provide kits accordingly.	As per attached revised specification.
9	Mr. Manpreet Singh, EdiQue	4. Criteria for evaluation, Page 16	5. The bidder must have successfully undertaken at least the following numbers of Similar assignments of value specified herein: - One project not less than the amount of ₹3,00,00,000 (Three Crores Only) OR	After reviewing the eligibility criteria, particularly the requirement for similar assignments, we kindly request your department to reconsider the following clause: One project not less than	As per RFP

			Two projects not less than the amount of Rs. ₹2,25,00,000/- (Two Crores Twenty Five Lakh Only) OR Three projects not less than the amount of Rs. 1,50,00,000/- (One Crore Fifty Lakh Only) Similar Experience assignments defined as: Establishment of ATL/ STEM Labs/ Science Lab/Math Lab in schools under State or Central Government in last three years as on 31.03.2024.	₹1,50,00,000 (One Crore Fifty Lakh Only), or One project not less than ₹1,00,00,000 (One Crore Only), or One project not less than ₹75,00,000 (Seventy Five Only), Similar Experience assignments defined as: Establishment of ATL/ STEM Labs/ Science Lab/Math Lab/Robotics Lab/ICT Labs/Smart classrooms in schools under State or Central Government in last five years as on 31.03.2024. The reason for this request is to allow more companies to participate, especially those with strong experience, even if their past project values were a bit lower than what is currently required. We also believe this change would better match the current market conditions, while still ensuring high standards for experience and quality are maintained.	
		4. Criteria for evaluation, Page 16	6. Samples for all the items along with the videos and user manuals, demo logins of the proposed software as per the scope of work are to be submitted on or before bid submission date.	We kindly request your consideration for allowing the submission of samples, along with the videos, user manuals, and demo logins of the proposed software, within 7 to 10 days after bid submission. This timeline will ensure that bidders can provide the best quality materials as samples, as they will have sufficient time to procure and deliver them in line with the scope of work outlined in the bid.	As per RFP

		4. Criteria for evaluation, Page 16, 17	8. OEM MAF - The bidder should submit the manufacturer authorization for Specified item to be supplied as per Annexure- I. OEM cannot authorize one tool/item to more than one Bidder under this RFP. Bidder should also OEM POA of the signing authority.	We request the department for removal of the clause requiring the submission of manufacturer Authorization Form (MAF) from the OEM for the specified items. This clause is likely to restrict many potential bidders from participating in the bid process, as it limits the ability to obtain MAF from the OEM for these specific items. By retaining this clause, competition may be minimized, which could favor only one bidder who already has the MAF. Removing this requirement would encourage broader participation and promote fair competition, allowing multiple capable bidders to take part in the process.	As per RFP
		4. Criteria for evaluation, Page 17	9.1 Desktop Computer : Factory certification ISO 27001, ISO9001, ISO14001, SA8000:2014, ISO 20000-1:2018, ISO 500001:2018, on OEM log should be embossed Motherboard, Monitor, Keyboard, Mouse etc no sticker, OEM should be in IDC top 4 rank in India for Desktops for last two years, Average turnover should be 500 Cr in last three financial years i.e. 2021-22, 2022-23 and 2023-24 with positive net worth.	We kindly request the removal of this particular clause, as when combined with Clause 8, it limits participation in the bid process. The combination of these two clauses effectively restricts the pool of eligible bidders to only four. This restriction may significantly reduce competition and potentially favor certain OEMs and bidders. To promote fair competition and allow a wider range of capable bidders to participate, we kindly request that this clause be removed from the RFP.	As per RFP

		4. Criteria for evaluation, Page 17	9.2 Sewing Machine: OEM should have an average annual turnover of a minimum of INR 60 crores in the last three financial years. i.e. 2021-22, 2022-23 and 2023-24. (Audited Financial Statements of last three financial years.)	We request the removal of the turnover clause that requires the OEM to have an average annual turnover of a minimum of INR 60 crores in the last three financial years (2021-22, 2022-23, and 2023-24). Also, the sewing machine is not a core component of the ATL package, and its inclusion seems to irrelevant. This change would promote a more inclusive approach and healthy competition, ultimately benefiting the objectives of the bid.	As per RFP
		4.2 Technical evaluation criteria Page 18	2. The bidder should have Experience in implementation of ATL/STEM labs/Science Lab/Math Lab in single order Government schools under State or Central Government in last five years as on 31.03.2024.	We would like to propose that the criteria be expanded to include experience in the implementation of ATL/STEM labs/Science Lab/Math Lab/ Robotics Lab/ ICT Labs/Smart Classrooms under State or Central Government projects in the last five years, as of 31.03.2024. This adjustment would allow for a experienced bidders who have worked on similar technology-driven projects in educational settings, ensuring diverse and qualified participation while still meeting the objectives of the bid.	As per RFP
		4.2 Technical evaluation criteria Page 18	3. The bidder should have Experience in implementation of ATL Lab in Government schools under State or Central Government in last five years as on 31.03.2024.	We request the department to also consider the experience criteria for the implementation of ATL Lab/Robotics Labs/ICT Labs/ Smart Classrooms in government schools under State or Central Government in the last five years, as of 31.03.2024.	Addressed as above

		4.2 Technical evaluation criteria Page 18, 19	4. The bidder should have Experience in Implementation of Project with QR based Supply Chain Monitoring Software tools in Government Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	We kindly request the removal of the clause requiring bidders to have experience in implementing projects with QR-based Supply Chain Monitoring Software tools in government schools or institutions under State or Central Government/ Autonomous Bodies in the last five years, as of 31.03.2024. This requirement does not seem relevant to the scope of the current bid, and its inclusion may unnecessarily limit the number of qualified bidders.	As per RFP
		4.2 Technical evaluation criteria Page 19	5. Sample Demonstration (POC) Note: Sample of all materials of ATL Lab along with all videos as per RFP (Scope of Work) should be submitted on or before last date of bid submission.	Sample Demonstration (POC) Note: We kindly request your consideration for allowing the submission of samples, along with the videos, user manuals, and demo logins of the proposed software, within 7to 10 days after bid submission.	As per RFP

		Annexure 1, Technical specifications- Atal Tinkering Lab, Page 33	81. This kit must a BIS standard under safety of electric toys IS 15644:2006, and BIS toys Category "C" and Sub category 81	We request a modification to the requirement for the BIS standard under the safety of electric toys (IS 15644:2006) in the bid. Specifically, we request that the department consider allowing either Subcategory 81/Subcategory 66 under BIS toys Category "C." If the inclusion of Subcategory 66 is not possible, we kindly request the removal of the Subcategory 81 requirement. This adjustment would provide greater flexibility in compliance while still ensuring the safety and quality of the products as per the BIS standards.	As per RFP

SL No (As per RFP)	Component Name	Tender Specification	Specification (Revised)
2	Robotic ARM	Robotic arm with AI-driven capabilities, including intelligent object pick and place. It should utilize advanced bus servos for precise control and can be integrated with different sensors for enhanced functionality.	he AI-powered robotic kit is designed to revolutionize pick-and-place operations through the utilization of advanced AI technology, enabling precise replication of human hand movements. The robotic arm is engineered to mimic the user's arm and finger movements, facilitating seamless and efficient task execution. The primary framework is to be constructed using aluminum, while the base should be made of mild steel to ensure stability and durability. The arm should have dimensions of 285 mm x 350 mm x 230 mm and weigh a total of 1.2 kg, making it both robust and portable. This robotic arm consists of a metal U-shaped part, size 90mm X 43mm X 27mm with various connecting holes 3mm and 8mm in diameter, a metal C-shaped part size 55mm X 25.5mm X 63mm with various connecting holes 3mm and 8mm in diameter, a metal motor bracket size 58mm X 30mm X 25.5mm with various connecting holes 3mm and 8mm in diameter, a metal L clamp size 37mm X 25mm X 28mm with various connecting holes sized 3mm and 8mm in diameter, a metal Claw, size 11.4mm X 7.7mm with various connecting holes sized 3mm and 8mm in diameter, effective crawl range: radius 200mm. The kit should include software in .exe format designed

			for AI-based activities performed by the arm, along with a separate .exe file dedicated to controlling motor movements independently. The power supply must come from a Li-ion battery, with a capacity ranging between 500mA and 3000mA, and must operate at a voltage range of 12VDC, 200mah. In terms of kinematic ability, the robotic arm must provide 4 degrees of freedom, allowing for a 180° pan-tilt range. The hardware must include servo motors capable of rotating 180°, with a motor speed of 0.17 sec/60° at 4.8V and 0.14 sec/60° at 6V. The servo must provide a stall torque of 9.4 kg-cm at 4.8V and 11 kg-cm at 6V, ensuring smooth and powerful movements. The kit must include a servo driver shield compatible with various Arduino platforms, with integrated power management. The interface must support serial communication and allow hand gestures. This robotic arm can support programming languages like Python, MicroPython, C/C++, and block-based coding, making it user-friendly and interactive. The dimensions of the components in the kit may have a permissible variation of ±2 %.

82	Mechanical Modular Construction kit	Kit should contain modular parts (Metal) focusing on building prototypes of 15+ real- world machines like excavators, cranes, dumping trucks, roller, forklift, ball shooter, catapult, rover, etc. Kit includes detachable Wheels, Gears of different Size & Teeth Count, 150 RPM Motors, metal plates, nuts and bolts, Power distribution board with RJ11 connectors, a Remote controller (with DPDT switch) and other accessories like screwdriver, hook and axle lock. Kit should step by step assembly manual and online LMS course with videos The kit must a BIS standard under Safety of Electric Toys IS 15644: 2006	The kits must have a sturdy metal/plastic/ABS framework with mounting points for various components such as excavators, cranes, dumping trucks, rollers, forklifts, ball shooters, catapults, rovers, line follower robots, obstacle avoider robots, and light followers. The kit's main brain size of 76mm x 88mm should include a programmable CPU using AVR architecture, operating at a clock speed of 16 MHz and a voltage of 5V. It should also have onboard essential features like USB connectivity, a power jack, four indicator LEDs for mode selection, motor drive, program switch, on-off switch, motor connector, and sensor connector, all using JST connectors. There should be a power distribution board size of 43mm x 35mm with RJ11 connectors, and a remote controller size of 119mm x 70mm with an onboard switch, power jack, and RJ11 connector. All PCBs should be protected with an acrylic/plastic/ABC casing. The kit should come pre-programmed, with the option for users to further customize and program it as needed. It must contain a light sensor, ultrasonic sensor, and IR

			sensor. The sensor modules should be equipped with protective casing, measuring 37mm x 27mm, and enclosed in color-coded plastic casings with connection openings. The sensor modules should be designed to be modular, allowing them to be connected via JST connectors to a supporting brain module. The kits should contain DC motors measuring 64.5mm x 31mm x 17mm, with dual shafts, and connected via the JST connector. The motors must operate within a voltage range of 3-12V, with a minimum speed of 150 RPM. Additionally, the kit includes a plastic wheel with a diameter of 74mm and a thickness of 19mm, the wheel should be compatible with a motor and feature a rubber grip. The kit should include various metal parts with different shapes and specifications. It should include an I-strip measuring 160mm x 10mm with 4mm diameter holes, an L-channel size of 162mm x 25.5mm x 10.5mm with 4mm, 3mm, and 7mm diameters holes, and a C-channel measuring 160mm x 27.5mm x 10.5mm with 3mm, 4mm, and 7mm diameter holes. The kit should also include a small U-channel measuring 63.5mm x 10.5mm x 10.5mm with 4mm diameter holes, a square plate sized 60mm x 60mm with holes of 3mm, 4mm, and 7mm diameters, and a rectangular plate measuring 160mm x 60mm with 4mm diameter holes. Additionally, a 24.5mm x 24.5mm x 23mm clamp with 4mm diameter holes, a

			caster strip sized 60.5mm x 36.5mm x 24.5mm with 4mm diameter holes, a bracket size of 63.5mm x 12.5mm x 12mm with 4mm diameter holes and a set of bolts for assembly should be included. The kit must also provide essential accessories such as an Allen key for M3 and M4 bolts, a hook, and spur gears with 55 teeth, 12mm width, and 57mm diameter, along with a 20 teeth gear, 11mm width, and 22mm diameter. It should be equipped with a rated input DC voltage of 12VDC and a powerful Li-ion rechargeable battery. The kits should include all necessary hardware components such as hexagon nuts, caps lock nut, button head Allen bolts, and wires ensuring ease of construction and structural integrity. The dimensions of the components in the kit may have a permissible variation of ±2 %. The kit must a BIS standard under safety of Electric Toys IS 15644: 2006 and BIS Toys Category "C" and Sub category 65.

83	Other potential STEM Kit	Other potential STEM application Kit (This kit is a 5 in 1 DIY kit with 200+ pieces and an instruction manual for 5 activities.)	The kit should include a variety of MDF cutouts and components for creating battery-operated models. It contains MDF pieces for different models including cutouts measuring 140x104x3mm, 112x114x3mm, and 92x74x3mm. The kit also includes over 35 unique interlocking pieces such as T Pieces, Motor Arm Pieces, and Linker Pieces for creating rotating legs for a walking dog model.An MDF sheet should be cut into three sizes: 140x107x3mm, 82x72x3mm, and 172x136x3mm for a walking robot. It also needs over 35 unique interlocking pieces such as hands, legs, and the robot face.An MDF sheet needs to be cut into three sizes: 156x154x3mm and 136x152x3mm cutouts for a cart-pushing robot. The robot features over 30 unique interlocking pieces such as wheels, linkers, hands, legs, and a cart. An MDF sheet needs to be cut into three sizes: 188x114x3mm, 146x134x3mm, and 134x102x3mm for a flying dinosaur model. The model has over 35 unique interlocking pieces, including wings with living hinge mechanisms and wheels. An MDF sheet needs to be cut into three sizes: 142x164x3mm, 124x148x3mm, and 163x104x3mm for a walking dino, consisting of over 45 unique interlocking pieces including 16 Teeth Gears, 12 Teeth Gears, and 8 Teeth Gears.The kit should include all necessary accessories candle wax, thin rubber bands (minimum 3 inches), transparent cello tape (at least 15 meters), a plastic geared DC motor (60mm x 20mm x 20mm, 3 to 12 V

			DC, 150 RPM with dual shafts), a battery holder for two AA cells with a two-way slide switch and cover, standard AA batteries, and a DIY craft scissor.Using this material, students should be able to create at least 5 experiments. The corresponding activities should include Walking dog, Walking dino, Walking Robo, Flying dino, and cart-pushing Robo.The dimensions of the components in the kit may have a permissible variation of ±2 %.

83	Agritech Kit	The Agri-Tech kit is a complete Internet of Things (IoT) based device which can be used to monitor as well as to control the agricultural parameters such as, soil moisture, rainfall, air quality around the crops, temperature and humidity on the field. In addition, the kit contains the flame detector which detects if there is any unfortunate fire scenario down the field. The kit contains the fully enabled Wi-Fi transceiver which facilitates the user to combine all the field parameters and uploaded to the cloud, which can be seen anytime and anywhere followed by monitoring and automatic control. The Wi-Fi transceiver also allows the user to remotely trigger actions like an alarm, pump etc on th e field.	The kit should provide opportunities for exploration and innovation in the areas of cloud computing, peer-to-peer communication, and internet technologies which can be used to monitor as well as control the agricultural parameters such as soil moisture, rainfall, flame, Air quality around the crops and temperature & humidity on the field and it allows the user to remotely trigger actions like an alarm, pump etc on the field. The brain should have 2 programmable CPUs with AVR architecture and ESP8266 Architecture, an operating voltage of 5v, and onboard must have dot matrix display, on-off switch, reset button, relay, LEDs, transistor, and diode. It should have handling protection minimum size 18mm x 45mm like rubber/plastic transparent costumes with open for connection. Brain modules should be modular in such a way that all functional components can be connected via a JST connector It should have a rated input AC voltage of 100V-240V and offer short circuit and overload protection, 4 Pin JST XH 2.54mm Pitch Plug, 3 Pin JST XH 2.54mm Pitch Plug and Socket with Cable.