Bidders Request for Clarification

RFP Reference No. BEPC/BAS/2024-25/4482, Dated 28.11.2024 (e-Tender ID : 80704)

Selection of service provider to Design, Develop, Deploy, Integrate and Maintenance of Facial Recognition Based Authentication Systerm

S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
1	Beerendranath Chowdary M Project Manager, Entro Labs IT Solutions Pvt Ltd, First Floor, Plot No:479,Road No:10, Kakatiya Hills, Madhapur, Hyderabad, Telangana 500081 Contact:+91-72888-77883.	4.1 Technical Qualification Criteria Page 15	S.No.7,The bidder must have experience in developing,implementing and maintaining at least one lakh Facial Recognition attendance per day.	Kindly ammend this as The bidder must have experience in developing,implementing and maintaining at least one lakh Facial /Biometric Authentications per day. As Facial Recognition using AI is an emerging technology, we request you to consider biometric authentions also to evaluate the technical capability.	Please read as - The bidder must have experience in developing, implementing and maintaining at least one lakh Facial Recognition attendance// Biometric Authentication per day. Work order copies to be submitted or Proof of Facial Recognition / Biometric Authentication carried out.
		2 Background Information Page 7	Point i.Make the application work in both android and iOS environments.	In the scope it is mentioned that User App is for Android devices, but where as in Backgroud information it is mentioned that application should work in iOS as well. Please confirm whether the iOS app is mandatory or not.	Mobile Application will be designed for Ios and Android Both.
		2.3 Face Recognition based Authentication System Page 8	II.User App (Android) VI. No Dependancy on internet for attendance marking VII. No additional hardware is required as the system can run in any android device	To enable offline attendance marking, a valid Teacher-Student mapping must be done, and the teacher must log in at least once while connected to the internet.	Please read as - II.User App (Android) VI. No Dependancy on internet for attendance marking. Teacher-Student mapping must be done, and the teacher must log in at least once while connected to the internet. VII. No additional hardware is required as the system can run in any android device

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		5.3 Functional Requirements II.Functional Requirements for FR Solution with N:N((Group Face Attendance) Page 18	c. Group attendance strength can be upto 40-50 individuals as baseline to take the attendance in bench by bench or multiple benches in a single frame	Group attendance with more than 10-15 faces may result in low accuracy. Requesting to ammend the requiremnt considering the practicality.	Please read as - Group attendance strength can be upto 10-15 individuals as baseline to take the attendance in bench by bench or multiple benches in a single frame
		5.4. Technical Requirements Page 21 I. Specifications & Application Expected Capability	a. The application which enables the faculty to capture the attendance should run on Android 10+ smart phones with 1.3 GHZ processor, 3 GB RAM and 16 GB storage with 8MP camera. Devices for the purpose of taking attendance shallbe personal phones of the Admin users nominated by the user departments	Kindly ammend this as a. The application which enables the faculty to capture the attendance should run on Android 10+ smart phones with 1.6 GHZ processor, 3 GB RAM and 16 GB storage with 8MP camera. Devices for the purpose of taking attendance shallbe personal phones of the Admin users nominated by the user departments. Since the application involves AI processing, devices with lower-end processors may not be able to handle effectively, potentially resulting in degraded performance or failure to capture attendance accurately.	As per RFP.
		5.4. Technical Requirements Page 21 I. Specifications & Application Expected Capability	f. Typical face image size capturing thumbnails of the user and facial templatesize ought to be between 30 KB and 40 KB	Kindly ammend this as f. Typical face image size capturing thumbnails of the user and facial templatesize ought to be between 50 KB and 200 KB Facial Template size might vary depending upon various factors like Camera resolution, Light exposure, Face visibility, background, etc. For better template accuracy, template size may be some times more than 50KB	Please read as - f. Typical face image size capturing thumbnails of the user and facial templatesize ought to be between 50 KB and 200 KB

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
2	Ritesh Chauhan	Point no. 16 Page No. 10	7. Terms & Conditions	The Bidder should have at least 5 clients of relevant business (experience of implementation of IUMS in the niversity System). The bidder must have successfully completed at least one Software Development/ Customization for any state/ central government organization/ PSU's in India. Justification: The original clause significantly narrows the eligibility criteria, potentially limiting healthy competition and participation from qualified bidders. Expanding it to include experience in software development or customization for government organizations/PSUs ensures a broader pool of competent bidders while maintaining the quality and relevance of the expertise required for the project.	This clause is deleted.

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3	Swaroop Kumar Kankipati Fervid Smart Solutions Private Limited Dwaraka Parkview, 1st Floor, Sector 1, Plot 14/2, HUDA Techno Enclave, Madhapur, Hyderabad-500081, Telangana.	1. Technical Qualification Criteria RFP Clause No. 15 Page No. 15	Past Experience: The bidder should have work experience of execution of minimum three project involving design, development, integration, implementation, operations, and maintenance of any one application valued minimum one crore project for the Central/State Government/PSUs during the (5) financial years Documents / Certificates for each project: Purchase orders / Work orders along with Work Completion Certificate fromt he client signed by authorized signatory. Certificate from Client signed by authorized signatory on Working satisfactory	Past Experience: The bidder should have work experience of execution of minimum three projects involving design, development, integration, implementation, operations, and maintenance of any one application valued minimum one crore project for the Central/State Government/PSUs during the (7) financial years Documents / Certificates for each project: Purchase orders / Work orders along with Work Completion Certificate fromt he client signed by authorized signatory. Certificate from Client signed by authorized signatory on Working satisfactory	Please read as - The bidder should have work experience of execution of minimum three project involving software solution, operation and maintenance or three projects involving design, development, integration, implementation, operations and maintenance in which any one of it valued minimum 50 Lakhs project for the Central/ State Government/PSUs during the (5) financial years Documents / Certificates for each project: Purchase orders / Work orders along with Work Completion Certificate from the client signed by authorized signatory. Certificate from Client signed by authorized signatory on Working satisfactory
		2. Technical Qualification Criteria RFP Clause No. 16 Page No. 15	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day. Work order copies to be submitted or Proof of Facial Recognition carried out	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day. Self-declaration from bidder is required for Facial Recognition carried out	Addressed as above.

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		General 3	Functional Requirements	What is the target accuracy rate for facial recognition in the system?	The Accuracy should be more than 90%, however the bidder may propose the same in their proposal if there is any deviation.
		4	Data Requirements	What are the methods for collecting initial facial data (e.g., images) for the system?	The data will be collected through registration.
		5	Data Requirements	Will the system be integrated with existing databases or standalone?	It will be integrated with E shikakosh application.
		6	Data Requirements	What is the anticipated volume of data for storage and processing?	As per RFP.
		7	Infrastructure Requirements	Should the solution be deployed on-premises, cloud-based, or as a hybrid model?	It will be deployed in State Data Centre.
		8	Infrastructure Requirements	What hardware specifications are available for cameras and servers?	Bidder has to propose the same.
		9	Infrastructure Requirements	who will provide the hardware required hardware.	Query is not clear.
		10	Infrastructure Requirements	If hardware needs to procudered, where will be hosted in SDC or cloud	It will be deployed in State Data Centre.
		11	Infrastructure Requirements	Are school equipped with internet for backup or integration into applicstions	Yes.
		12	Infrastructure Requirements	What network requirements need to be addressed?	Query is not clear.
		13	Integration Requirements	What systems will the solution integrate with (e.g., attendance systems)?	As per RFP.
		14	Integration Requirements	Are there existing APIs for integration?	Qurry is addressed above.
		15	Integration Requirements	Data exchange formats and protocols between the Facial Recognition System and E-Shikshakosh	Bidder has to propose the same.
		16	Integration Requirements	Technical specifications and APIs for the E-Shikshakosh application	Bidder has to propose the same.
		17	Integration Requirements	Provide a list of applications for integration	As of now the the proposed
		18	Integration Requirements	Should the solution support third-party tools like RFID?	As per RFP.
		19	Security and Compliance	What encryption standards are required for data storage and transmission?	Bidder has to propose the same.

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		20	Security and Compliance	Should the system include multi-factor authentication?	As per RFP.
		21	Security and Compliance	Are there any legal or regulatory compliance requirements?	Bidder has to propose the same.
		22	User Experience (UX)	Should the interface support multiple languages? If so, which ones?	As of Now it Should support Hindi and English.
		23	User Experience (UX)	Is user training required for the system?	Yes
		24	Scalability and Performance	What is the estimated peak concurrent user load?	As per RFP.
		25	Scalability and Performance	Will the system be centralized or distributed across locations?	It will be Centralized, however the data has to be collected in de Centralized mode.
		26	Scalability and Performance	Should the system be designed for future scalability?	As per RFP.
		27	Maintenance and Support	What level of support is expected (24/7, business hours)?	As per RFP.
		28	Maintenance and Support	Should the system include monitoring dashboards?	Yes.
		29	Maintenance and Support	What are the disaster recovery requirements?	Bidder has to propose the
		30	Timeline and Budget	What is the expected timeline for development and deployment?	As per RFP.
		31	Specific Technology Preferences	Are there preferred programming languages, frameworks, or libraries?	Bidder has to propose the same.
		32	Success Criteria	Should there be a phased rollout before full deployment?	As per RFP.
		33	General	What kind of Camera or tab will be used do they provide API's incase of camera, who will integrate the API's	Bidder has to propose the same.
		34	General	is there data rentention requirement which need to be followed.	Bidder has to propose the same.
		35	Ongoing support	Is thre a requirement to deploy support engineers at school premises	No.
		36	SLA	Service Level Agreements (SLAs) for system availability, response times, and issue resolution	As per RFP.

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		37	SLA	Whether dedicated support personnel will be required	As per RFP.
		38	SLA	What is the target accuracy rate for facial recognition in the system?	More than 90%.
		39	SLA	Reporting frequency, formats (e.g., dashboards, reports), and levels of access for different stakeholders	As per RFP.
4	Srikanth Anagandla Executive Officer- Technology & Delivery Address: Hyderabad, Telangana	1.1 Page No. 6	BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP	Considering the specialized nature of this project which works on Artificial intelligence technology, it may be beneficial to place additional emphasis on the quality and expertise of the bidders. The success of such initiatives often hinges on the ability to deliver innovative, reliable, and scalable solutions. To achieve the best possible outcomes, we could consider applying QCBS (Quality & Cost Based Selection) for this project. This approach would allow us to evaluate both technical quality and cost-effectiveness, ensuring that the selected bidder has the capability to deliver at the expected standards within budget constraints.	As per RFP.
		3.19 Page No. 13	Upon acceptance of the Proposal of the tenderer technically qualified with LCS (Least Cost Based Selection) criteria, BEPC, GoB shall declare the tenderers as the successful bidders for the selection		As per RFP.
		3.9 (iv) Page No. 10	Micro, small and start up agencies registered for doing similar work are exempted from the payment of EMD, as per Government policy, subject to submission of valid registration certificate with the bid.	Need clarification on what type certifications would be considered as part of exemption.	As per RFP.

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		4.1 (7) Page No. 15	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day	As the proposed application is to capture facial recognition attendance of 1,50,00,000 users, we would recommend to look for the experience of at least 10% (15,00,000) of facial recognition attendance per day.	Addressed as above.
		4.3 (D) Page No. 16	BEPC reserves the right to split the work/any quantity between empanelled bidders (subject to matching the L1 price).	Splitting of work between different agencies introduce below challenges. • Different AI algorithms will be used by different agency which result inconsistency while transferring the students. • Lack of Accountability • Quality Inconsistencies • Delays due to dependencies • Difficulty in ensuring data security	As per RFP.
		Annexure 3 Page No. 27	Our Financial Quote for the for Procurement, Supply & Installation of Tablet for Teacher Resource Package in Bihar State, BEPC, GoB Bihar, Patna is INR (in figures) XXXXXXXXXXXX (INR XXXXXXXXXX in Rupees)	Is there any procurement of tablets involved in this project? If not, need to change the Annexure 3 accordingly. If Yes, Need clarification in the scope of work related to this point.	Please read as - Our Financial Quote forSelection of Service Provider to Design, Develop, Integrate and Maintenance of Facial Recognition (FR) Based Authentication System for Bihar Education Project Council in Bihar is INR (in figures) XXXXXXXXXXXX (INR XXXXXXXXXX in Rupees)

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		Annexure 4 Page No. 28	Financial Proposal for charges Per Attendee Per Year (Attendance in 1:N & N:N method)	In the header it is mentioned per attendance per year and in the line item it is mentioned as cost per shadow per month. Need clarity on	Please read as - Financial Proposal for charges Per Attendee Per month (Attendance in 1:N & N:N method)
		Annexure 4 (1) Page No. 28	Cost for per shadow per month (30 days)		As per RFP.
5	Prahalad Challapilla AVP - BDM Syntizen Technologies Private Limited Address: Office No: 11th Floor, 1103 Manjeera Trinity Corporate, JNTUH-Hitech City Road, Hyderabad.	1.1 Page No. 6	BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP The Bidders would need to submit Pre-Qualification, Technical and Financial Proposal in the prescribed formats, within the Proposal Due Date as prescribed under the ⏤Fact Sheet of this RFP. BEPC, GoB would evaluate all the Submissions in accordance with the evaluation criteria set out in the RFP to select a qualified bidder	Given the specialized scope of this project, which centers around advanced Artificial Intelligence technology, selecting a bidder with the right mix of expertise and innovation is critical to its success. High-quality, reliable, and scalable solutions are essential to achieving our objectives. To this end, I propose utilizing the Quality and Cost-Based Selection (QCBS) method for bidder evaluation. This approach enables us to holistically assess both technical quality and financial feasibility, ensuring that we select a partner who can deliver to the required standards without compromising on cost-effectiveness. By applying QCBS, we can make a well-informed decision that balances our commitment to quality with budgetary considerations, setting the foundation for a successful implementation.	As per RFP.

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		1.1 Page No. 6	BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP The Bidders would need to submit Pre-Qualification, Technical and Financial Proposal in the prescribed formats, within the Proposal Due Date as prescribed under the ⊡Fact Sheet of this RFP. BEPC, GoB would evaluate all the Submissions in accordance with the evaluation criteria set out in the RFP to select a qualified bidder	As per the RFP, BEPC, GoB intends to follow a two-stage bid process under the Least Cost Based Selection (LCS) Method. The RFP mentions the requirement for bidders to submit Pre-Qualification, Technical, and Financial Proposals. However, upon reviewing the document, we noticed that: ⊡ Pre-Qualification details are labeled as Technical Qualification in the RFP. ⊡ Technical Qualification details with a marking system and live demo evaluation to qualify bidders are not provided. To ensure fair and transparent evaluation aligned with the two-stage bid process, we kindly request you to: 1. Clearly outline the Technical Qualification criteria. 2. Introduce a marking system and mandate a live demo to effectively evaluate bidders' capabilities. We believe these adjustments will enhance the selection process and ensure the successful identification of a qualified bidder.	As per RFP.

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		4.1 (7) Page No. 15	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day	Given the scale and criticality of the proposed application, which aims to capture facial recognition attendance for 1,50,00,000 users, it is essential to prioritize bidders with proven expertise in handling high-volume operations. To ensure reliability and performance, we recommend that bidders demonstrate prior experience managing at least 5% of the proposed scale equivalent to processing 7,50,000 facial recognition attendance entries per day. This benchmark will help us identify partners capable of delivering a robust, scalable, and efficient solution that meets the projects requirements.	Addressed as above.

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		4.3 (D) Page No. 16	BEPC reserves the right to split the work/any quantity between empanelled bidders (subject to matching the L1 price).	Splitting project work among different agencies may introduce several critical challenges, including: ▪ Lack of Accountability: Diffused responsibilities can lead to confusion and hinder efficient issue resolution. ▪ Integration Challenges: Ensuring seamless integration between components developed by different teams can be complex and time-consuming. ▪ Quality Inconsistencies: Variability in quality standards across agencies may affect the overall output. ▪ Increased Management Overhead: Coordinating multiple agencies demands additional effort and resources, which can burden the project team. ▪ Delays Due to Dependencies: Interdependencies between agencies can cause delays, impacting project timelines. ▪ Difficulty Ensuring Data Security: Managing data security becomes more challenging when multiple entiies are involved, increasing the risk of breaches or compliance issues. Given these considerations, a consolidated approach might be more effective to ensure accountability, streamlined management, and consistent quality.	As per RFP.
		Annexure 3 Page No. 27	Our Financial Quote for the for Procurement, Supply & Installation of Tablet for Teacher Resource Package in Bihar State, BEPC, GoB Bihar, Patna is INR (in figures) XXXXXXXXXXXX (INR XXXXXXXXXXX in Rupees)	Could you confirm if the procurement of tablets is part of this project? If not, we may need to revise Annexure 3 to reflect this change. Kindly provide clarification at the earliest to ensure the documentation remains accurate and aligned with the project scope.	Addressed as above.

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		Annexure 4 Page No. 28	Financial Proposal for charges Per Attendee Per Year (Attendance in 1:N & N:N method)	It appears there is an mistake in the document: the header references cost per attendance per year, while the line item specifies cost per shadow per month. Could you please clarify which terminology and metric are accurate to ensure alignment? And if it is Per Attendee Per year cost then how many transactions may do for a day of shall we consider for unlimited facial transactions	Addressed as above.
		Annexure 4 (1) Page No. 28	Cost for per shadow per month (30 days)		As per RFP.
		Annexure 4 Page No. 28	Financial Proposal for charges Per Attendee Per Year (Attendance in 1:N & N:N method)	Regarding the tender for the Facial Recognition Solution (FRS) for the Bihar Education Department, which aims to support approximately 1.5 crore students, we would like to seek clarification on the following: 1. Manpower Requirements: o Are there any specific operational support resources or onsite resources required for this project? o If yes, could you provide details on the roles, number of personnel, and expected duration for which they will be needed? 2. Solution Enhancement/Customization Charges: E27 o Are there provisions for paying additional charges for solution enhancements or customizations during the project lifecycle? o If applicable, please share the terms and conditions related to these charges. These details are crucial for understanding the scope and planning our approach to the project.	Addressed as above.

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6	Chandra Varma Projects Coordinator HR Square Private Limited Ph: 9100033481 Email : info@hrsquare.in Address : Hyderabad, Telangana	1.1 Page No. 6	BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP	To ensure the best outcomes, we recommend adopting the Quality & Cost Based Selection (QCBS) approach for bid evaluation. This method allows us to assess proposals comprehensively, giving due weight to both technical expertise and cost-efficiency. By doing so, we can ensure that the selected bidder not only aligns with budgetary considerations but also possesses the necessary skills and experience to meet the project's high standards.	As per RFP.
		3.9 (iv) Page No. 10	Micro, small and start up agencies registered for doing similar work are exempted from the payment of EMD, as per Government policy, subject to submission of valid registration certificate with the bid.	What certificates can be provided in this scenario.	As per RFP.
		3.19 Page No. 13	Upon acceptance of the Proposal of the tenderer technically qualified with LCS (Least Cost Based Selection) criteria, BEPC, GoB shall declare the tenderers as the successful bidders for the selection	To ensure the best outcomes, we recommend adopting the Quality & Cost Based Selection (QCBS) approach for bid evaluation. This method allows us to assess proposals comprehensively, giving due weight to both technical expertise and cost- efficiency. By doing so, we can ensure that the selected bidder not only aligns with budgetary considerations but also possesses the necessary skills and experience to meet the project's high standards.	As per RFP.
		4.1 (7) Page No. 15	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day	Given that the proposed application is designed to handle facial recognition attendance for 15,000,000 users, we recommend considering bidders with proven experience in managing systems capable of processing at least 20,00,000 facial recognition attendance records per day	Addressed as above.

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		4.3 (D) Page No. 16	BEPC reserves the right to split the work/any quantity between empanelled bidders (subject to matching the L1 price).	We recommend to give workorder only to single vendor as the application uses Artificial Intelligence for capturing attendance. Each vender use different algorithm which creates problems in collaboration and integration	As per RFP.
		Annexure 4 Page No. 28	Financial Proposal for charges Per Attendee Per Year (Attendance in 1:N & N:N method)	The header specifies "per attendance per year," while the line item refers to "cost per shadow per month." Could you please clarify the intended unit of measurement and ensure	Addressed as above.
		Annexure 4 (1) Page No. 28	Cost for per shadow per month (30 days)	consistency between the two? This will help avoid ambiguity in interpretation	As per RFP.
7	Shiva Kumar. Sales Smart Mate 9849584485, sales@smartmate.co.in	1.1 Page No. 6	BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP	To achieve optimal results, we recommend utilizing the Quality & Cost Based Selection (QCBS) method for bid evaluation. This approach enables a balanced assessment of proposals by considering both technical expertise and cost-effectiveness as the project is related to AI technology	As per RFP.
		4.3 (D) Page No. 16	BEPC reserves the right to split the work/any quantity between empanelled bidders (subject to matching the L1 price).	We recommend awarding the work order to a single vendor, as the application relies on Artificial Intelligence for capturing attendance. Different vendors may use varying algorithms, which can lead to challenges in collaboration and integration, potentially impacting the application's overall efficiency and functionality	As per RFP.
		Annexure 4 Page No. 28	Financial Proposal for charges Per Attendee Per Year (Attendance in 1:N & N:N method)	The header mentions "per attendance per year," while the line item indicates "cost per shadow per month." Could you clarify the intended unit of measurement and align these	Addressed as above.
		Annexure 4 (1) Page No. 28	Cost for per shadow per month (30 days)	terms for consistency? This will help eliminate any potential confusion in interpretation	As per RFP.

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8	Balaji Gopalan S.E.Valavan, Director Oasys Cybernetics Pvt. Ltd	5.1 Facial Based Recognition System Pg 17	a) To provide APP/API facility for dissemination of data on e-shikshakosh portal.	a) Will the APIs for integration be shared by the departemtn for e-shikshakosh portal ?	The bider has to develop their API and the department will provide the API for E Shikakosh.
		5.1 Facial Based Recognition System Pg 17	c) Capability to perform facial based attendance marking with liveness check.	a) Need to understand this point. What is liveness check ?	As per RFP.
		5.1 Facial Based Recognition System Pg 17	k. The solution should integrate with the applications shared by the respective user departments to get required master data and push the attendance details.	a) What are the applications to be integrated with for pushing the attendance data?	As per RFP.
		5.1 Facial Based Recognition System Pg 17	o. Solution should give a provision to take the attendance of any false rejection cases in the same session and attendance reporting should be updated accordingly.	a) How are rejections verified ? B) How should this be updated ? Should manual entry be allowed ?	As per RFP.
		III. Post-Enrolment and Post-Verification fpr FR I:N solution: Pg 19	II. Every individual may take their attendance on their own by taking selfie and FRS app should be installed in individual's mobile	a) What are the checks to be put in where the individual takes selfie ? B) Will there be a requirement for geo fencing ?	As per RFP.
		III. Post-Enrolment and Post-Verification for FR I:N solution: Pg 19	g. There should be automated data processing with zero manual intervention	a) What type of data processing is required ? B) What are the outputs required after data processing ?	As per RFP.
		III. Post-Enrolment and Post-Verification for FR I:N solution: Pg 19	h. All the individual's attendance data shall be auto-synced to the application shared by the respective department for required reporting. In case of internet disconnection, the data shall be available offline and shall be synced to the Application shared by the department where internet is available	a) How many day's attendance is allowed to be stored offline before sync is allowed ? B) How are late attendance recorded ?	As per RFP.

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		IV. Post-Enrolment and Post-Verification for FR N:N solution: Pg 20	c. The attendance of all the users I stakeholders shall be taken one or multiple times in a day with due (Facial recognition) authentication of the Nodal officer I Admin identified by respective user department in his/her mobile application, frequency of attendance taking may vary based on the decision of user department.	a) How many times a day an attendance is to be recorded ? Will there be a cut off time to mark late attendance etc ?	As per RFP.
		IV. Post-Enrolment and Post-Verification for FR N:N solution: Pg 20	k. The solution should raise alerts and generate reports in case of the following events: 1. If the attendance of a users/ stakeholders drops down below the required attendance mark. 2. If there is continued absence of a individual If the individual arrives late to the class.	How are alerts required to be displayed ? Popup, sms, reports etc ?	As per RFP.
9	Kamlesh Jonwal Scientist E Marketing C-DOT Phone:+91-11-26598815 Mobile:9953884308 E-mail: kjonwal@cdot.in	Page - 7, Para -2 Background Information:	f. Check the liveness and measure the accuracy	Liveness Check will not be functional when application is being operated in Offline mode (Without internet)	As per RFP.
		Page - 8, Para -2 .3 Face Recognition based Authentication Solution	IV. Geo Fenced Attendance	Geo-Fencing will not be functional when application is being operated in Offline mode (Without internet)	As per RFP.
		Page - 18, Para -5.3 Face Recognition based Authentication Solution	IV. Application should be hosted in State data Center	Please calrify that Infrastructure and resources will be made avaiable by BEPC to Bidder for Hosting the application and database at State Data Center	Addressed as above.
		Page - 14, Para -4.1 Technical Qualification Criteria	1. The bidder should be registered company under Indian Coimpanies Act 1956 or 2013 or a Partnership Firm for at least 5 years in field of Software Development	Firm registered in Society Registration Act may be considered to eligible to participate	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Page - 14, Para -4.1 Technical Qualification Criteria	The bidder must have experience in developing, implementing and maintaining at least one Lakh Facial Regoinition Attendenca per day	The restriction may be removed from Eligiblity Criteria and inserted as Accetance Testing Condition of offered solution	Addressed as above.
		Page - 16, Para -5 Scope of Work	c) Integration with other applications as per request from user departments	This scope is very wide and can involve unlimited efforts, which is difficult to factorised in cost. Details like Type of Applications of User Department and Maximum Number of Application of each type should be detailed so as to enable bidder to calculate the cost of efforts involved Report Generation for one Crore Attendance	Clarified in subsequent queries.
		Page - 16, Para -4.3 Award of Contract	I. D. BEPC reserves the right to split the work/any quanity between empaneled bidders (subject to matching L1 price)	In case, Work can be splitted among empanelled bidders, Please specify total volume of work (in terms of rate parameter ie. Shadow/Attendees), split ratio and number of empanelled bidders, as Rate in Financial Bid Format will be offered based on Minimum Order of Work , so as to consider viablity of service being offered.	As per RFP.
		Page - 18, Para -5.3 Functional Requirements	I. D. Solution should have capability to integrate with E Shishakosh Application	Details of Interface of Application (to be integrated) is required.	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Page - 22, Payment Schedule and Penalty	Payment will be released monthly/quarterly after satisfactory execution of work and certification by concerned coordinator at BEPC	1. Please clarify whether payment will be released based on enrolled shodow/ user/attendee or based on Attendence; as Finanical Bid Format specifies the rate based on Attendees/Shadow. 2. Please define term Shadow and Attendee 3. Mimimum Order Quantity (Attendance, Type of Reports Generation, Integration with Other Application) is required to be mentioned so that commercial viability of service may be assessed 4. Please clarify if Enrollment of each user department is also part of scope; if yes, Please specify Total Number of User Department and Approx. List of Attendees at Each User Department	As per RFP.
		Page - 28, Annexure-4 Financial Bid Format	Foinancial Proposal for Charges per Attendee per Year (Attendance in 1:N & N:N method)	Please clarify whether Rate should offered for Per attendee per year(Separately for 1:N; N:N)/ Or Single Rate for Per shadow per month	Addressed as above.
			Sno. Cost of Per Shadow per month (30 Days)		As per RFP.
		Page - 13, Para -3.19 Declaration of Successful Bidder	Tenderer technically qualified with LCS (Least cost based Selection) criteria	Approx Volume of enrolled users, Minimum and Maximum concurrent attendence needs o be factorised while determining the capacity of proposed Application,	As per RFP.
		Section 2 /Page 7	Background Information point (i.) mentions application work in both Android and iOS environment	In later parts/sections it mentions only Android App specifically (such as section 2.3 point II & VII) iOS can be removed and only Android app term should be used.	As per RFP.
		Section 5.3.II. / Page 18	Point c. Group attendance strength can be up to 40-50 individuals as baseline to take attendance	What is the meaning of baseline. And how many max users are expected to be identified on one capture. Kindly mention Group attendance procedure and how it will be shown to the nodal person taking attendance.	Addressed as above.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Section 5.3 / Page 17	Point (I.) said enrollment data along with photograph will be integrated/ sync with e-Sikhshakosh application	Can user image be captured and transferred to data center while attendance marking as well. As in many places it mentions no storing of image is allowed (such as point h. of section 5.3. I). Storing image in data center will be useful for audit purposes.	As per RFP.
		Section 5.3 / Page 18	Point (f.) The solution capacity to maintain minimum peak load of 3 to 4 times of the user count mentioned by user department.	Please provide the current maximum user count of such departments.	As per RFP.
		Section 5.4 / Page 21	Point I.a. android Device specification mentioned is 1.3 GHz, 3GB RAM	This is too low to run effective and high accuracy recognition models, atleast 2.0 GHz and 4 GB RAM should be mentioned. Models capable of running on very low end device will have relatively poor accuracy and may result in false positives.	As per RFP.
		Section 4.1 / Page 15	Point (7.) states bidder must have experience of handling 1 lakh facial recognition attendance per day	How is this calculation made. Is it one organization or cumulative. It can kept lower or some exceptions may be provided for govt. organizations.	Addressed as above.
		Annexure 4/ Page 28	Financial particulars, cost for per shadow per month.	What is approximate total user base to be considered for calculation. Solution have many components apart from attendance such as Integration with multiple application and multiple reports generation for different departments. Cost needs to be calculated cumulatively.	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
10	Sumit Kumar Lead – Govt. Relations Mob: 9899168244 SPARX IT SOLUTIONS PVT LTD H-21, Sector-63, Noida UP 201301 Ashwani Raj (Sr. Manager Gove-Relations & Public Policy) M/s Sparx IT Solutions Pvt. Ltd H-21, 1st Floor, Sector – 63, Noida, UP 201301 Email: ashwani.raj@sparxitsolutions.com" Phone:- 9818743741,9899168244	PRE-QUALIFICATION (Point No 6)	Past Experience: The bidder should have work experience in the execution of a minimum of three projects involving design, development, integration, implementation, operations, and maintenance of any one application valued at a minimum of one crore projects for any Central/State Government/ PSUs during the (5) Financial year.	We request that this clause be modified to include private sector experience in IT design, development, integration, implementation, operations, and maintenance projects.	Addressed as above.
		PRE-QUALIFICATION (Point no 7)	The bidder must have experience in developing, implementing, and maintaining at least one lakh facial Recognition attendance per day.	Please allow MSME-registered private companies to participate in a consortium or joint venture (JV) for similar experiences.	Addressed as above.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
11	Priya priya@facetagr.com		1) Under Sec 2 >2.3 has mentioning as Android application while Section 5 > 5.2 mentions ios compatible – so should the proposed app be android compatible or android & ios compatible? 2) Will the data be registered through the proposed solution or will it happen through the external system mentioned? 3) Sec 5.3 > I > point f- what is the approx. user count in a department? 4) Sec 5.3 > II > "The solution should integrate with system shared by the respective departments to get required master data & push attendance details" - How many systems with which we need to do the API Integration. Pls share details 5) Sec 5.3 > V > the data privacy guidelines - should we follow DPDP? 6) Sec 5.3 > III> Post Enrollment & Post verification > point b> who are the other individuals? 7) Annexure 4 What is the meaning of "cost per shadow per month"?		As per RFP.
12	Man Mohan Singh Mob.- +91-790-600-5442 Infintrix Global Limited	Page No.: 15 / 4.1 TECHNICAL QUALIFICATION CRITERIA/ Point No.: 04	Manpower Availability: The bidder must have minimum 25 IT professional on it roll, in the domain of web Application Development & Maintenance, Mobile Applications, Web portal maintenance etc	Request you to king change it to: The bidder / OEM must have minimum 15 IT professional on it roll, in the domain of web Application Development & Maintenance, Mobile Applications, Web portal maintenance etc	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Page No.: 15 / 4.1 TECHNICAL QUALIFICATION CRITERIA/ Point No.: 06	Past Experience: The bidder should have work perience of execution of minimum three project involving design, development, integration, implementation, operations, and aintenance of any one application valued minimum one crore project for any Central /State Government/ PSUs during the (5) Financial years	The bidder / OEM should have work experience of execution of minimum three project involving design, development, integration, implementation, operations, and maintenance of any one application for any Central /State Government/ PSUs/Private Enterprise having at least 500 Cr turnover during the (5) Financial years	Addressed as above.
		Page No.: 15 / 4.1 TECHNICAL QUALIFICATION CRITERIA/ Point No.: 07	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day.	The bidder / OEM must have experience in developing, implementing, and maintaining at least Twenty-Five Thousand Facial Recognition attendance per day.	Addressed as above.
13	S.E.Valavan, Director, OASYS Cybernetics Pvt.Ltd. 3, Stringers Road, Tel: 044-25613300 E-mail: marketing@oasys.co Mobile: 7401298241	Page 8 2.3. Face Recognition based Authentication solution	II. User App (Android)		Mobile Application should be designed for Android aa well as IOS.
		Page 7 2. BACKGROUND INFORMATION	Make the application work in both android and iOS environments	should the proposed app be android compatible or android & ios compatible?	
		Page 17 5.2 Face based Attendance Marking Flow with Facial Liveness:	The proposed facial recognition- based component should be made available on Android platform to be used on smart phones/ tablets		

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Page 7 2. BACKGROUND INFORMATION	e. Integrate with appropriate systems to fetch the user's master data and report back the attendance	Will the data be registered through the proposed solution or will it happen through the external system mentioned?	The Registration of the Users are done in E Shikakosh application, however in future the Data sync may be done between E Shikakosh and the Proposed system.
		Page 18 5.3 Functional Requirements	f. The solution shall have the capacity to maintain a minimum peak load of 3 to 4 times of the user count mentioned by the user department. The no. of users may vary depend on the requirement of user department	what is the approx. user count in a department?	As of now the below count is there : Number of Teacher: Approx 5.5 Lacs, Number of Students: Approx 1.8 Crore, Number of Schools : Approx 75 Thousand
		Page 18 5.3 Functional Requirements	III. The solution should integrate with the applications shared by the respective user department to get required master data and push the attendance details	How many systems with which we need to do the API Integration. Pls share details	As of now, the System has to be integrated with E Shikakosh Application, however in future it may be required to integrated with other systems as well.
		Page 18 5.3 Functional	V. Application should adhere to all data privacy guidelines	should we follow DPDP?	As per RFP.
		Page 19 III. Post-Enrolment and Post-Verification fpr FR 1:N solution	b. The attendance of all other individuals shall be taken in the intetvals as perthe request from the user department	who are the other individuals?	As per RFP.
		Page 28 ANNEXURE - 4: Financial Bid Format	Cost for per shadow per month (30 days).	What is the meaning of "cost per shadow per month"?	It should be read as Cost for per Batch of 10,000 facial recognition.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
13	Parvez Akhtar Tender Manager - And Sajal Kumar Staqo World Pvt Ltd. Communication Address: Mob.: +91 9953751951, Staqo World Pvt Ltd, Email: sajal.kumar@staqo.com	Page 15 , Point 6	Past Experience: The bidder should have work experience of execution of minimum three project involving design, evelopment, integration, implementation, operations, and maintenance of any one application valued minimum one crore project for any Central /State Government/ PSUs during the (5) Financial years.	Documents / Certificates for each project: Purchase orders / Work orders along with Work Completion Certificate from the client signed by authorized signatory. Certificate from client signed by authorized signatory on Workingsfactory Work order copies to be submitted or Proof of Facial Recognition carried out. Past Experience: The bidder should have work experience of execution or Ongoing of minimum 2 project involving design, development, integration, implementation, operations, and maintenance of any one application valued minimum one crore project for any Central /State Government/ PSUs/Private Public listed Company during the (5) Financial years.	As per RFP.
		Page 15 , Point 7	The bidder must have experience in developing, implementing, and maintaining at least one lakh Facial Recognition attendance per day	The bidder must have experience in developing, implementing, and maintaining at least sixty thousand Facial Recognition attendance per day	As per RFP.
14	Rahul Gavhale Manager - BD Probit Plus Pvt Ltd | www.probitplus.com M: 7387529345	Point No 4, Clause No 4.1, Technical Qualification Criteria, Page No 14/28.	Manpower availability: The Bidder must have min 25 IT Professional on its roll. In the domain of Web Application Development & Maintenance, Mobile Applications, Web Portal Maintenance	Request: To have min 25 Technical Professional.	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Point No 6, Clause No 4.1, Technical Qualification Criteria, Page No 15/28.	Past Experience: The Bidder should have work experience of execution of minimum three project involving design, development, integration, implementation, operation and maintenance of any one application valued minimum one crore project for any Central/ State Government/ PSU during the (5) Financial Years.	Request: The Bidder should have work experience of execution of minimum three project involving software solution & operation and maintenance of any one application valued minimum one crore project for any Central/ State Government/ PSU during the (5) Financial Years.	Addressed as above.
		Point No 7, Clause No 4.1, Technical Qualification Criteria, Page No 15/28.	The bidder must have experience in developing, implementing and maintaining at least One Lakh Facial Recognition attendance per day. Relevant Papers to be submitted in Technical Bid: Work Order Copies to be submitted or Proof of Facial recognition carried out.	Request: To update the required as "Work Order Copies to be submitted or Proof of Facial recognition carried out of the Work Orders which are directly received from the client.". Note: Sublated work orders will not be considered.	As per RFP.

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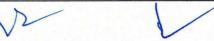| S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Point No d, Clause No 4.3, Award of Contract, Page No 16/28.	BEPC reserve the right to split the work/any quantity between empaneled bidders (subject to matching the L1 price)	Request: Please adopt the QCBS (80:20) evaluation method in this bid. # Justification: Considering the nature of bid/project, it is highly recommended to adopt QCBS (80:20) method as the project is of Facial Recognition solution. The Solution, in light of quality outcome and the it's vivid analytics needs to examined by team of technology experts. It is unlike any other tender. As per guidelines of Ministry of Electronics & Information Technology (DeitY) (October, 2016) page: 39. technical Evaluation Methods define the process that would be adopted to select the most competent bidder with the best value solution offering. The above quoted guidelines suggest to adopt QCBS method of evaluation when quality of solution is mphasized at economy. In big volume project when the bidders are expected to quote lowest in possible manner then compromise in quality occurs in the race of low-cost bid. This Tender is Combination of System Integration, Software, AI Analytics, Cloud/Server Management, Field Work, Manpower Deployment, Training & Project Management. QCBS method shall protect the quality and economy will be a significant factor as well. Reference: 1. Clause No 15.2.1 - Page No 15/22 and Clause No 15.2.5.i –Page No 16/22 of Circular No .1/1/2021- PPD of Govt of India, Ministry of Finance, Dept of xpenditure, Procurement Policy Division, dated 29.10.2021. 2. GFR Clause No 192 & 193 of GFR Rules 2017, Govt of India. 3. Other Many Tenders of BMC where QCBS has been adopted.	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
		Point No d, Clause No 4.3, Award of Contract, Page No 16/28.	BEPC reserve the right to split the work/any quantity between empaneled bidders (subject to matching the L1 price)	Request: Please allow consortium bidding in this E106 id. Justification: More than 90% of bids allow consortium overall, especially in big volume projects with different components welcome consortium bids for on-boarding experts of distinct areas. The bid comprises of various mponents i.e. Survey, Project Investment, Project Management, Documentation, Software Development, Software Deployment, Installation, Integration, Security, Data Centre Operations, Interaction with various solution of Edu Dept./Project Stake Holders, Training, AMC, Manpower Deployment, etc. Varied components in single RFP with condition of single bidder minimizes the participation as well as competition as one single bidder can-not be expert in performing all these activities of different verticals, it may be understood with scope that expertise in all above may not be found with single organization with expertise. Allowing consortium with owing the responsibility by lead bidder is the best alternative for such bids. Bihar Govt boasts MSME, the most promising sector in today's conomy. Allowing them to become part of big prestigious projects by the way of+E106 consortium shall enable them to contribute in nation building and to become part of growth as well. MSME's do the project management with more economy as compared to the MNC's or big organizations, thus it will be better to have them in competition in order to reach on economic cost with quality. This will be aligning with the Govt. of Bihar's vision of boasting MSME's. Many Municipal Corporations, Smart Cities, Other States & Different Departments of Bihar Government has allowed Consortium and found it successful too. On Demand we can share Tenders & their results for reference. References: MSME Schemes, Govt of India, Public Procurement Policy for Micro and Small nterprises Order 2012/ MSME Notification 2012, Govt of India	As per RFP.

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S.No.	Agency	Bidding Document Reference (Number / page)	Content of RFP requiring Clarification	Points of Clarification Required	Clarification
15	Sumit Motwani Business Manager, Marketing cid:image002.png@01DA4FB7.DF01FD70 USM Business SYSTEMS Inc, Door No – 8-2-293/82, A/270E, Road Number 10, Gayatri Hills, Jubilee Hills, Hyderabad, Telangana 500033.	Request For Proposal (RFP) for Selection of Service Provider(s) to Design, Develop, Deploy, Integrate and Maintenance of Facial Recognition Based Authentication System. Tender Notice NO: Tender Notice NO:BEPC/BAS/2024-25/4482 Dated28 /11/2024.Date of Pre Bid Meeting: 05th of December 2024. Kindly find below the Pre Bid Queries.	The Bidder should have work experience of execution of minimum three project involving design, development, integration, implementation, operation and maintenance of any one application valued minimum one crore project for any Central/State Government/PSUs during the (5) Financial Years. Purchase orders / Work orders as per RFP Documents regarding similar work experience for 5 FY: Kindly Allow the Private Experience because we have great Experience in the similar kind of work with Private Firm Experience.	The Bidder must have experience in developing, implementation and maintaining at least one lakh Facial Recognition attendance Per Day: Kindly allow the exemption on this because we have the experience but we don't have any certification or any documents which can show the counts.	As per RFP.

Corrigendum No. BEPC/BAS/2024-25/....4704.., dated 16.12.2024

निदेशानुसार बिहार शिक्षा परियोजना परिषद् द्वारा e-proc2 पर प्रकाशित RFP Reference No. BEPC/BAS/2024-25/4482, Dated 28.11.2024 (e-Tender Id 80704) के आलोक में निविदा समर्पित करने की अन्तिम तिथि 18.12.2024 को निदेशानुसार विस्तारित करके दिनांक 24.12.2024 किया जाता है। संशोधित Schedule of Bid Process निम्नवत है :—

SL	Information	Details as per RFP	Revised Details
6	Last date of submission of bid	18/12/2024, 4:00 PM	24/12/2024, 4:00 PM
7	Last date of submission of Hard copy of BG and Samples at BEPC	18/12/2024, 4:00 PM	24/12/2024, 4:00 PM
8	Opening of Technical Bids	18/12/2024, 4:30 PM	24/12/2024, 4:30 PM
9	Opening of Financial Bids	To be intimated	To be intimated

उक्त पर सक्षम प्राधिकार अनुमोदन प्राप्त है।

16/12/24
(संजय कुमार)
राज्य कार्यक्रम पदाधिकारी

ज्ञापांक : Quality/299/2024-25/ 4704   दिनांक : 16.12.2024

प्रतिलिपिः 1. राज्य परियोजना निदेशक के निजी सहायक को सूचनार्थ प्रेषित।

   2. सभी संबंधित पदाधिकारी को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

16/12/24
राज्य कार्यक्रम पदाधिकारी