

Greetings from the NIMI!

We thank all vendors for their interest in our Expression of Interest (EoI) for AI-QBMS. As part of the EoI process, we received several queries seeking clarifications and additional information. In response to these queries, we have carefully reviewed each submission and are pleased to provide detailed replies.

The comprehensive responses to all pre-proposal queries raised by the interested parties are compiled here. We trust that these responses will address the concerns and questions you may have had regarding the EoI, its scope, and other technical or procedural matters. Our goal is to ensure that all potential bidders have a clear understanding of the requirements and expectations to enable the submission of competitive and well-aligned proposals.

We encourage all interested parties to review the provided responses thoroughly, as they contain important clarifications that may impact your proposal preparation. Should you require any further clarification, please feel free to reach out at [Chennai-nimi@nic.com](mailto:Chennai-nimi@nic.com) before the proposal submission deadline.

We look forward to receiving your submissions and appreciate your participation in this important initiative.

Thank you for your continued interest and engagement.

#NAME?	Details	Clause of the EOI on which Clarification required	Clarification Required	Clarification
4.1 Project Objectives	Point 1 - Generate New questions for each trade	Implement a distribution of questions across three levels (L1, L2, L3)	In the hierarchy of knowledge acquisition and retention, L1, L2 AND L3 are given, however what is the actual criteria for L1, L2, L3 for AI Based question generation. Please share specific details.	Every Participant has been given the criterial for selection of level as a supporting document with Minutes of the Meeting.
4.2 Key Features	Point no: 4.2(b)	Manual entry of new questions	For manual entry of questions, does the question undergo any approval process.	Yes, different SMEs Will vet the questions
4.2 Key Features	Point no: • 4.2d • 4.2e	<ul style="list-style-type: none"> <li>Real-time duplicatedetection mechanism</li> <li>Batch-wise duplicatedetection mechanism</li> </ul>	Our understanding is that the questions created by AI for a particular batch has to be checked in the Question bank for any duplication and within the set of questions generated by AI, duplicate check needs to be done. Please validate our understanding.	Within the entire question bank, whether pre-existing or newly developed, no two questions should be the same for the trade.
What are all the question types that will be part of the assessment conducted by NIMI. Answered in last pre bid as -MCQ based with single right option among four choices(will it remain the same for this revised bid)				Same.
4.2 Key Features	Point no: 4.2(c)	Image-based question	Our understanding is that the user will be given a prompt, based on which image has to be generated along with the questions for that particular image using AI. Please validate our understanding.	System should be capable of generating questions based on the provided image in EPS format, following a specific command or prompt.
Point no: 4.2(h)	Evidence-based validity analytics	Should plagiarism check also be part of AI based question generation. Pls provide details.		Yes.

4.2 Key Features	Point no: 4.2(i)	Blind vetting support by SMEs	In Blind vetting support for SME, does each and every trade have different set of minimum criteria based on which the question has to undergo this check before getting moved to the question bank.	For every trade criteria will be same.
Point no: 4.2(j)	Number of trades & Number of Questions	<p>i. NIMI has stated that it has 145 trades and questions have to be generated for these trades. What are all the inputs for each trade that will be given to the AI engine to create the questions .</p> <p>ii. In number of trades and questions, our understanding is that the system should understand and learn from the set of questions in the question bank and should have an ability to generate questions from the already available questions in the question bank. Pls clarify.</p>		<p>The inputs for each trade to generate questions would include:</p> <p><b>Book:</b> Reference materials or textbooks related to the trade.</p> <p><b>Test Profile:</b> An outline of the assessment criteria and types of questions relevant to the trade.</p> <p><b>Level Allocation Guidelines:</b> Guidelines indicating the difficulty level of questions based on skill or knowledge levels.</p> <p><b>Existing Question Bank:</b> for reference.</p>
4.2 Key Features	Point no: 4.2(m)	Supported Document Types	For this requirement our understanding is that the question paper has to be generated by the system in pdf or excel format. Please validate our understanding.	Excel and PDF both as per the requirement.
4.2 Key Features	Point no: 4.2(n)	Document formatting	What type of document is specified here. Is it part of question content or overall question paper	The format provided in the question bank is for your reference.
Point 3	The agency should have been in the AI based platform Development and execution of solution/ similar projects as mentioned in EOI at least for the last 2 continuous years and served at least 2 clients.	<ul style="list-style-type: none"> <li>• Proof of commencement of business</li> <li>• List of clients and copy of work order</li> </ul>	Due to NDA with our customers regarding Question Bank / Question Paper creation, we cannot share list of clients and the project values. Kindly confirm if self-declaration can be shared as proof.	No, self-declaration will not work. The rules are uniform for all vendors. They are required to submit a completion certificate and feedback from the client. We are not asking for every detail, but we do need the work order, evidence of its fulfillment, and client feedback.

Point 4	The Service Provider must have developed an AI-based solution that is fully integrated with other organizations. The AI-based solution should be implemented and in use for the last 2 years in that Institutions/org anizations.	<ul style="list-style-type: none"> <li>The completion certificate and documentary proof of project values should be submitted.</li> </ul>	Due to NDA with our customers regarding Question Bank/Question Paper creation, we cannot share list of clients and the project values. Kindly confirm if self-declaration can be shared as proof.	No, self-declaration will not work. The rules are uniform for all vendors. They are required to submit a completion certificate and feedback from the client. We are not asking for every detail, but we do need the work order, evidence of its fulfillment, and client feedback.
Point 5	Reference, information, and certificates from the respective clients certifying the technical, delivery & execution capability of the bidder should be signed, and the contact numbers of all such clients.	<ul style="list-style-type: none"> <li>Details of clients and certificates from them to be provided</li> </ul>		
NA	Declaration for Blacklisting	<p>I /We Proprietor / Partner (s) / Director (s) of M/s  ..... hereby declare that the firm/ company namely M/S.  .....  ..... has not been blacklisted or debarred in the past by any Government Department/State Govt./PSU/Municipal Corporation/other Govt. Bodies from taking part in Government EOIs as on the date of submission of proposals.....</p>	<p>Request modification of this clause to I /We Proprietor / Partner (s) / Director (s) of M/s  ..... hereby declare that to the best of our knowledge the firm/ company namely M/S.  .....  ..... has not been blacklisted or debarred in the past by any Government Department/State Govt./PSU/Municipal Corporation/other Govt. Bodies from taking part in Government EOIs as on the date of submission of proposals.....</p>	It is mandatory to provide a declaration that the firm is not blacklisted by any of the mentioned bodies. Therefore, the original will be the only applicable document.
NA	Footnote	In case of proprietorship firm, certificate will be given by the proprietor, and in case of partnership firm, certificate will be given by all the partners and in case of limited company by all the Directors of the company or company secretary on behalf of all directors.	Due to the size of our organisation, it is not logistically feasible to have tender wise forms signed by all the Directors of the company or company secretary. Hence, the organisation issues Power of Attorney to all Business Unit heads /Authorized signatories to sign the tender documents on behalf of the organisation. Request to accept Annexure – II signed by Business Unit Head along with the Power of Attorney.	Either version can be submitted, but the final decision for acceptance will be made by the scrutiny committee.

Point 9	NA	Project Cost	This cannot be shared due to NDA with our clients.Request removal of this point or making it nonmandatory	This is not being shared publicly but for our reference only. It is mandatory.
Point 15	Performance reports/assessment by clients (mandatory documentary evidence submission required)	Quality of work - Excellent/ Very Good/ Good/ Fair; Resourcefulness - Excellent/ Very Good/ Good/ Fair:	The client completion /performance certificates at project end are in their format and will not cover the mentioned attributes.Request to accept the same.	It will be accepted.
Point 2	Signature on Annexure	Please affix the signature of the authorized signatory of the statutory auditor of the Bidder with name, designation, seal and date here.	As a public limited company our organisation financials are published in our Annual Report after audit by the statutory auditor.It is not logistically feasible for our statutory auditors to sign individual tender forms.Request to accept Balance Sheets and P&L from published Annual Reports as proof along with Annexure – IV signed by authorized signatory of Bidder.	It will be accepted.
Point 5	Declaration	I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Any private institute.	Request modification of this clause toI / We do hereby declare that as on the day of submission of the proposal, our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Any private institute which will adversely impact our participation in the bid.	"It is standard for everyone and will be accepted as per previous mentioned."
Point 6	Declaration	I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.	Request modification of this clause toI / We certify that all information furnished by our Firm is true & correct to the best of our knowledge and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy.	"It is standard for everyone and will be accepted as per previous mentioned."

4. Scope of work	4.1 Project Objectives:	Generate New questions for each trade:	We request to the department to kindly clarify How many questions need to be generated per trade	There is no limit to generating questions, and the system should be adaptable to generate questions based on the directives of the competent authority.
6. General information	Data Storage and Processing	Data processing may be hosted on MeitY (Ministry of Electronics and Information Technology) approved cloud servers	We request to the department to kindly clarify if bidder need to host this system on cloud or will it be hosted on NIMI's cloud	Data storage will be maintained on in-house servers and data processing may be hosted on Ministry of Electronics and Information Technology (MeitY)-approved cloud servers, ensuring adherence to CERT-In (Indian Computer Emergency Response Team) standards.
6. General information	Question Quality and Relevance Assessment:		Please clarify if implementing agency are allowed to use external cloud services for generating questions	Yes, they can use MeitY-approved cloud servers.
6. General information	Question Quality and Relevance Assessment:	Ensuring clarity, precision, and proper use of language, grammar, and context.	Please clarify if we need to generate question only in English or do we require support for vernacular languages	The requirement for question generation is currently limited to the English language. However, we are open to exploring question generation in other languages, provided that: 1. The questions are translated with the correct intended meaning. 2. The translations are accurate in the following regional languages: Hindi, Marathi, Gujarati, Assamese, Bengali, Odia, Tamil, Telugu, Malayalam, Kannada, Punjabi, and Urdu.
6. General information	Provision of Training Data:		How training data would be made available to train the model	NIMI will provide the data required for the training the model which will include textbooks, Sample question bank and all the guidelines in PDF or Word Format
7. Eligibility Criteria	Eligibility Criteria	The Service Provider must have developed an AI-based solution that is fully integrated with other organizations. The AI-based solution should be implemented and in use for the last 2 years in that Institutions/organizations.	We Request to the department to kindly consider bidder's experience for developing their own AI based solutions for further productization and used by schools/intitutes	We may not explicitly restrict experience to only certain sectors.
			Please clarify criterias for measuring efficacy of AI model	To maintain the relevance and accuracy of the generated questions, the output will be reviewed and validated by subject matter experts (SMEs). This review process will ensure that the questions meet the learning objectives and educational standards.  SMEs will provide detailed feedback on the questions, highlighting any issues or areas for improvement. This feedback will then be used to refine and enhance the AI's question-generation process.

			<p>We request to the department to clarify if assessment delivery is part of the scope</p>	<p>Eol clearly states that assessment delivery is not part of the scope. Specifically, it mentions that the AI-QBMS platform is designed strictly for the management of question banks, and there is no intention to conduct tests or integrate the AI-QBMS platform with any test-conducting platform for assessment purposes. However, the system should have the capability to generate questions in the NIMI-required format, which can be shared with exam agencies via API integration for assessment delivery</p>
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Clause of the EOI on which Clarification required	Clarification Required	
Project objective Point No. #1	<p>We understand the ration of L1, L2, L3 is basis Blooms Taxonomy</p> <p>And shall follow- L1-30 L2-40 L3-30</p>	<p>This is generally the approach we follow. The system should not be designed for a specific purpose. Instead, it should be flexible enough to generate outputs based on commands and requirements.</p>
Manual Entry of New Questions	<p>These demands enabling Authoring features for the Assessment platform. OR will the manual entry be processed through backend authoring like- WORD/ Excel and integrated?</p>	<p>It could be data entering through excel or the manual entry in the platform itself.</p>
Image Based Questions	<p>These are applicable to Diagram based questions like – circuits of machine functionality?</p> <p>Will these be part of the “test profile”</p>	<p>Currently, we are using high-resolution line and ray diagrams created by the CAD team. These images will be provided to the system in EPS format based on specific requirements. The AI system should generate questions related to the part, function, or any other aspect of the image. The questions should be accompanied by proper highlighting to clarify what is being asked.</p>
Real Time duplicate detection Mechanism)	<p>Is this Grade based validation?</p> <p>If there is a question in MCQ and in image about the same, will this be considered as “duplicate” or it could be Level differentiated?</p>	<p>No, this will not be considered duplicate if the same kind of thing is asked in an image and the context provided without an image is different.</p>
AI driven technical Correctness validation	<ol style="list-style-type: none"> <li>1. Will specific trade “Dictionaries” be included and facilitated?</li> <li>2. Is Authoring to be enabled for – Technical content involving -MathType, Chemdraw; AutoCad and more.</li> <li>3. Can cloud based AI models/services be used</li> </ol>	<ol style="list-style-type: none"> <li>1. We will provide the technical dictionary.</li> <li>2. Yes</li> <li>3. If it will fulfil our requirement, Vendor can use.</li> </ol>
User Authentication and Autorisation	<p>We understand this is validation for ROLE and NOT to include proctored environment for the testing?</p>	<p>Please clarify more during the pre- proposal meeting.</p>



Data Encryption	Would Data Encryption standard be defined by NIMI?
Eligibility Criteria	To consider the LMS platform development and execution.
Eligibility Criteria	We request you to consider the experience and expertise of Content development and Assessment development along with technology solutions that include – Assessment platforms.
Eligibility Criteria	We request your consideration for ISO certified company to be included for experience and expertise we bring in.

**Vendor is expected to provide the best encryption standard NIMI should use to fulfill our requirement.**

The criteria have already been mentioned and will be applicable as provided.

The criteria have already been mentioned and will be applicable as provided.

ISO certified companies are also allowed to participate.