

**EXPRESSION OF INTEREST**

**for**

**Conducting “Skill Based Common On-Demand Recruitment Exams” for  
Professional Examination Board (PEB), Government of Madhya Pradesh**

Madhya Pradesh Professional Examination Board  
Main Road 1, Chinar Park, Chayan Bhawan,  
Opp. DB City Mall, Vyapam Campus,  
Shivaji Nagar, Zone-I, Maharana Pratap Nagar,  
Bhopal, Madhya Pradesh 462011  
Website: [peb.mp.gov.in](http://peb.mp.gov.in)  
email: [vyapam@nic.in](mailto:vyapam@nic.in)

**Date: 05<sup>th</sup> Jan 2019**

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## 1. TEXT OF ADVERTISEMENT

Madhya Pradesh Professional Examination Board  
Main Road 1, Chinar Park, Chayan Bhawan,  
Bhopal, Madhya Pradesh

### INVITATION FOR EXPRESSION OF INTEREST

Madhya Pradesh Professional Examination Board (PEB) invites sealed Expression of Interest (EOI) from exam conducting organization or agencies for providing services for Conducting “Skill Based Common On-Demand Recruitment Exams” for Professional Examination Board (PEB), Government of Madhya Pradesh.

The EOI document containing the details of qualification criteria, submission requirement, brief objective & scope of work and evaluation criteria, etc. and can be downloaded from the website: <http://peb.mp.gov.in/>.

Further details, if any, may be obtained from Joint Controller, IT Section, PEB, Room No. 112, Chayan Bhawan, Opp. DB City Mall, Vyapam Campus, Shivaji Nagar, Zone-I, Maharana Pratap Nagar during working hours.

Last date for submission of Eoi is 15<sup>th</sup> January 2019 up to 1700 hrs by sealed envelope marked containing qualification documents & copy of presentation to PEB's office. It may be submitted by mentioning “EOI for Conducting Skill Based Common On-Demand Recruitment Exams” for Professional Examination Board (PEB), Government of Madhya Pradesh” on the top cover.

Agencies meeting the qualification criteria may be invited for a presentation before an internal committee.

Shri Sanjeev Singh (IAS)  
Director  
Madhya Pradesh Professional Examination Board  
Main Road 1, Chinar Park, Chayan Bhawan,  
Bhopal, Madhya Pradesh

**Note:** Director, PEB or any other designated officer reserves the right to cancel this request for EOI and/or invite afresh with or without amendments, without liability or any obligation for such request for EOI and without assigning any reason. Information provided at this stage is indicative and Director, PEB reserves the right to amend/add further details in the EOI.

## 2. LETTER OF INVITATION

Madhya Pradesh Professional Examination Board  
Main Road 1, Chinar Park, Chayan Bhawan,  
Bhopal, Madhya Pradesh

Dated: 05/01/2019

Dear Sir/Madam,

Madhya Pradesh Professional Examination Board (PEB) invites sealed Expression of Interest (EOI) from exam conducting organizations or agencies for providing services for Conducting "Skill Based Common On-Demand Recruitment Exams" for Professional Examination Board (PEB), Government of Madhya Pradesh. The EOI Document containing the details of qualification criteria, submission requirement, brief objective & scope of work and method of evaluation etc. is enclosed.

The EOI Document is also available on the PEB website <http://peb.mp.gov.in/>. You may submit your responses in mail or in sealed envelopes in prescribed format to the undersigned latest by 15.01.2019.

Shri Sanjeev Singh (IAS)  
Director  
Madhya Pradesh Professional Examination Board  
Main Road 1, Chinar Park, Chayan Bhawan,  
Bhopal, Madhya Pradesh

**Note:** Queries, if any, may be communicated via email to the Joint Controller, IT Section, PEB, Room No. 112, Madhya Pradesh Professional Examination Board, Main Road 1, Chinar Park, Chayan Bhawan, Bhopal, Madhya Pradesh at [a.hemlata@mp.gov.in](mailto:a.hemlata@mp.gov.in) on or before 11<sup>th</sup> January 2019, 1700 hrs in the prescribed format:

S. No.	Page No.	Clause No.	Description of clause for which clarification is required	Clarification Sought

1	<b>Name of the Work</b>	EOI for conducting “Skill Based Common On-Demand Recruitment Exams” for Professional Examination Board (PEB), Government of Madhya Pradesh
2	<b>Name of the Issuer</b>	Director, PEB
3	<b>Date of Issue</b>	05 <sup>th</sup> January 2019
4	<b>Last Date to Respond</b>	15 <sup>th</sup> January 2019
5	<b>Date of Presentation</b>	21 <sup>st</sup> January 2019
6	<b>Address of Communication</b>	Madhya Pradesh Professional Examination Board Main Road 1, Chinar Park, Chayan Bhawan, Bhopal, Madhya Pradesh

### 3. BACKGROUND

The Professional Examination Board (PEB) is a self-financed, autonomous incorporated body of State Government of Madhya Pradesh. The Professional Examination Board (PEB) is currently the largest Entrance, Recruitment and Selection agency body in India. It conducts approximately 30 Entrance, Recruitment and Selection examinations in a year. On an average, approximately 20 Lakh applicants take part in the examinations conducted by PEB.

### 4. OVERVIEW:

Professional Examination Board (PEB) intends to explore available potential solutions for the following thematic areas (1) Common Syllabus/Common Score (2) Question Bank (3) On-Demand Testing (4) Technology. Streamlined work on these thematic areas will support PEB in effective selection of candidates to various departments in the state government.

### 5. OVERALL OBJECTIVES & POTENTIAL SCOPE OF WORK:

#### Overall Objectives

The overall objective is to ensure on-boarding an organization that will support PEB in conducting skill based online on-demand examinations to ensure that PEB provides departments in the State Government with individuals with the right skill set that match the job requirements.

#### Potential Scope of Work

- ✓ Development of Common Syllabus for recruitment exams conducted by PEB. The common syllabus will be skill based ensuring appropriate testing of the candidate to fulfil his/her job responsibilities.

- ✓ Development of dedicated replenishable Question Bank and assist in Question Paper Designing based on the common and domain related syllabus (for recruitment exams). Please note that “Hindi” is a key test subject and the question bank should comprise of appropriate number of questions for “Hindi” subject.
- ✓ Use of advanced psychometric methodologies such as Item Response Theory (IRT). Explore adaptive nature of test conduction.
- ✓ Institutionalization of Common Score for the test-taker (alike GRE/GMAT). Explore potential use-cases for its institutionalization.
- ✓ Development of robust online exam engine with multi-lingual support (Hindi is a must) & API for integration with end-to-end examination process system. Robust security features to handle cheating, impersonation, etc. Provision for complete audit log and retrieval mechanism for online exam.
- ✓ On the spot result processing (result is shown immediately after the test). Development of a robust dynamic merit ranking approach for seat allocation.
- ✓ Explore On-Demand Testing (BYOD, Device or Premise Independent models may be explored).
- ✓ Explore use of latest tools & technology like facial recognition system, artificial intelligence, machine & deep learning, video analytics, IOT devices, Business intelligence, Block Chain etc. in “Question paper authoring”, “Online Exam Engine”, “Content update”, “Online Proctoring”, “Skills identification”, “Exam Analytics”, etc.
- ✓ Institutionalize a Question Bank Working Group at PEB. Propose the Question Bank Working Group structure (explore on-role hiring vs. deputation vs. contractual support). Develop a capacity building model for current and future PEB staff.
- ✓ Formulate a department feedback mechanism (on deputed candidate) to ensure their needs are duly met.
- ✓ Research and Development and adoption of latest academic and technological solutions to improve the question bank, question paper design process, exam engine.
- ✓ Conduct skill gap analysis to identify skills that are required for 21<sup>st</sup> century work force that meets the demands of the various department of the Government. Channel the learning’s back to improve syllabus (common and domain). Document the findings and submit the report to PEB.
- ✓ Achieve better transparency, accountability and audit in all process operations.
- ✓ Achieve error free data security and full control of confidential data.

## **6. DURATION OF ENGAGEMENT & DELIVERABLE TIMELINES**

Based on the aforementioned terms of reference the agency should propose timelines for completion of the potential scope of work.

## 7. QUALIFICATION CRITERIA

Following will be the minimum qualification criteria. Each eligible consultant should possess all the following criteria. Responses not meeting the minimum qualification criteria will be rejected.

Sr. No	Qualification Criteria	Supporting Document
1.	The applicant shall be a firm / company / partnership / proprietorship firm registered under the Indian Companies Act, 1956 / the partnership Act, 1932 and who have their registered offices in India.	Copy of Certificate of incorporation and Partnership Deed, if any
2.	The firm should be in the business of providing content creation & online exam delivery services for at least 3 years as on 31.12.2018.	Certificate by Statutory Auditor or Company Secretary of the firm, together with relevant case study accompanied by work order/completion certificate.
3.	The firm has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years (2015-16, 2016-17 & 2017-18).	Certificate by Statutory Auditor or Company Secretary of the firm
4.	The firm should have an annual turnover of INR 20 crores in each of the last 3 financial years (2015-16, 2016-17 & 2017-18) from providing online examination Services.	Certificate by Statutory Auditor or Company Secretary of the firm
5.	The firm shall have experience of providing online examinations on their own platform for Central Govt./State Govt./PSUs/Govt. bodies or private institutes/companies: <ul style="list-style-type: none"> <li>• Three projects with value not less than INR 20 lakhs each, or</li> <li>• Two projects with value not less than INR 30 lakhs each</li> </ul>	Copy of Work Order / Contract Agreement and Project Completion Certificate
6.	The firm should have at least 30 full time employees on its payroll.	Certificate signed by the Authorized Signatory
7.	The firm should not be blacklisted by any Central Govt. / State Govt. / PSU / Govt. Bodies.	Certificate signed by the Authorized Signatory
8.	PAN No. & GST Certificate.	Copy of Certificate to be enclosed

## 8. POINTS FOR PRESENTATION

The presentation on the given date (21<sup>st</sup> January, 2019) is mandatory for shortlisting. Each agency will be given a time slot of maximum 1.00 hour to present their solution during the presentation. Presentation should not be more than 50 Slides. The presentation should mandatorily cover the following aspects:

- ✓ Brief introduction about the Agency & Team Composition.
- ✓ Overall Approach & engagement timelines to achieve the “Objectives” and “Scope of work”.
- ✓ Approach for Common Syllabus (from PEB’s recruitment exam perspective) and the associated blueprint or construct.
- ✓ Approach to create a Common Score and its potential use and institutionalization.
- ✓ Demonstration of capability of question paper authoring, meta-tagging, use of AI/machine learning/deep learning/business intelligence/MIS/Classical test theory/Item response theory etc. for “Question Bank” and “Question Paper Designing”.
- ✓ Demo of the application of latest technologies (AI/machine learning/deep learning/business intelligence/MIS/Classical test theory/Item response theory, etc.) in the proposed solutions.
- ✓ Demonstration of capability of exam engine to handle significant concurrent load (~10,000 examinees). Demo of the exam engine.
- ✓ On-Demand Testing (BYOD, Online Proctoring, Device/Premise independent models, Security mechanism to prevent cheating / use of unfair means). Demo of the various BYOD models and key security features.
- ✓ Demonstration of any other new tools/technology useful to achieve the objectives.
- ✓ Capacity building plan with proposed timelines.
- ✓ Skill gap analysis approach with proposed timelines.

## **9. CONDITION UNDER WHICH EOI IS ISSUED:**

The EOI is not an offer and is issued with no commitment. PEB reserves the right to withdraw EOI and or vary any part thereof at any stage. PEB further reserves the right to disqualify any agency, should it be so necessary at any stage.

## **10. CRITICAL INFORMATION**

Interested agencies are advised to study this EOI document carefully before submitting their prequalification documents and copy of technical presentation in response to this EOI. Submission of a proposal in response to this EOI shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.

**\*\*\*\*\*End of Document\*\*\*\*\***