



Employees Selection Board

Chayan Bhawan, Main Road No.1, Chinar Park (East), Bhopal – 462011

Phone: +91-755-2578801-04, Fax: +91-755-2550498, Website: www.esb.mp.gov.in

Information for Vendor workshop

The Employees Selection Board, Bhopal conducts computer based test for entrance, eligibility and recruitment every year on large scale for the Govt of M.P. We would like to invite all the prospective /existing vendors who have expertise in the following field to attend the workshop.

1. Computer Based Online Exam
2. Question Bank Management System
3. Security Ancillary Services (Live CCTV, Aadhar Based Biometric Authentication, frisking)

Symposium details are given as below:-

Date of Symposium : 18.04.2024 (Thursday) Time: 10:00 AM. To 06:00 PM
Venue : Employee Selection Board Chayan Bhawan, Main Road No.1,
Chinar Park (East), Bhopal – 462011

Further information please see ESB website <https://esb.mp.gov.in>

Director



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Information for Vendor Workshop

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- 1. Computer Based Online Exam, Centre Management/Manpower**
- 2. Question Bank Management System**
- 3. Security Ancillary Services (Live CCTV, Aadhar Based Biometric Authentication, Frisking)**

OBJECTIVES & SCOPE OF WORK

Objectives

Employees Selection Board (ESB) intends to explore available potential solutions for the Pre-Exam, During the exam, and Post exam activities. The overall objective of this presentation is to explore the opportunities of establishing a robust, efficient, and transparent Examination Management system

Scope of Work

- **Computer Based Online Exam, Centre Management**
 1. 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.
 2. Research & Development technological solutions to improve the exam engine and processes.
 3. Audited of Exam Centres and centre management.
 4. Exam Centre service providers having a total capacity of 35,000 seats and an available minimum of 25,000 seats per shift examination
 5. Supply, install, configure and commission the co-located servers in Tier III, Tier IV, State Data Centre and install system software for application deployment.
 6. Mock Test facility for the registered candidates, so that they can understand Computer Based Exam pattern. exam screen interfaces. tvning test interface. etc.

7. Help Desk for ESB, which shall provide telephonic support to the candidates and citizens for ESB Computer-Based Exam System
8. Exam monitoring and reporting System
9. SLA management tool should be able to monitor all the service levels defined in the service level agreement and automatically document problems & interruptions for services and provide the consolidated violations as per the SLA.
10. Application to integrate exam engine & question bank system.

- **Question Bank Management System**

1. Common Syllabus may comprise of Quantitative, Verbal (English + Hindi), Aptitude (General Awareness, ICT Literacy, Management, Logical Reasoning). There may be scope for expansion based on future learning's.
2. Development of dedicated Question Bank and assist in Question Paper Designing based on the common and domain related syllabus (for recruitment exams). The question bank should comprise of appropriate number of questions for "Hindi" language.
3. Identified domains may include agriculture, health, Plant Breeding and Genetics, Agronomy, Plant Physiology, Plant Pathology, Commerce, Statistics, Economics, Social Science, Inorganic Chemistry, Analytical Chemistry, Zoology, Botany, Ancient History, Museology, Chemistry, Physics, Geography, Business, Archaeology or Culture, Accounting, Public Administration, State Administration, Radiotherapy, Technical Trade, etc.
4. Research and Development on adoption of latest academic and technological solutions to improve the question bank, question paper design process, exam engine
5. Methodology of item development should be scientific, robust and capable to be defended in court of law if complexity levels or validity of questions is challenged.
6. Question paper authoring tool

Security Ancillary Services (Live CCTV, Aadhar Based Biometric Authentication, Frisking)

1. Explore the use of latest tools & technology like facial recognition systems, artificial intelligence, machine & deep learning, video analytics, IoT devices, Business intelligence etc.
2. Providing exam day manpower, Invigilators, security personnel, and other supporting staff to control candidate mob, validate candidate identity, eligibility credentials
3. Live Video Surveillance (CCTV) at all examination centers
4. Live biometric AADHAR (Fingerprint, Facial recognition webcam, Iris procedure) entry and exit authentication and Identification of Candidates.
5. Logistics and Supply Chain Management.
6. Integrate Bar-code to auto-fetch the candidate details
7. Artificial Intelligence Based CCTV Video Analytics features.

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Date of Symposium : 18.04.2024 (Thursday) Time: 10:00 AM. To 06:00 PM
Venue : Employees Selection Board Chayan Bhawan, Main Road-1,
Chinar Park (East), Bhopal – 462011
Email : dinesh.agarwal@mp.gov.in
Contact No : Sh. Dinesh Agarwal Joint Controller Mob. 8109217001.

Interested vendors can email us their company profile and presentation on or before 14/04/2024 time 05:00 PM on the mentioned e-mail id. Confirmation of event and detail shall be sent to the participant by ESB through email.

Director
Employees Selection Board