



KISHORE VAIGYANIK
PROTSAHAN YOJANA
किशोर वैज्ञानिक
प्रोत्साहन योजना
KVPY

An ongoing National Program of Fellowships in Basic Sciences to attract exceptionally motivated students to pursue research career in Basic Sciences.

Funded by the Department of Science and Technology, Government of India and implemented by the Indian Institute of

KVPY/IISc/2017/ONLINE-EX/EOI

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EXPRESSION OF INTEREST

The "Kishore Vaigyanik Protsahan Yojana" (KVPY) is a program started in 1999 by the Department of Science and Technology (DST), Government of India to encourage students who are studying Basic Sciences to take up research career in Science. The aim of the program is to identify and encourage talented and motivated students to pursue career in research. The program is run by the Indian Institute of Science (IISc). More details about the KVPY is available at www.kvpy.iisc.ernet.in

The KVPY invites expression of interest (EOI) for design, conduct and process separately for Pre-and Post-level, a computer based test (CBT)/Online examination and provide merit based results for screening the candidates for interviews. Interested service providers who have the required infrastructure at All India level to receive applications, process the applications received including payments, and conduct the examination (CBT/Online) for around 2.0 Lakhs candidates at various centres all over India. The interested agencies may provide the following information:

- i. Brief write-up on the organization
- ii. Latest financial results and balance sheet
- iii. Past experiences of conducting CBT/Online examination at All India Level for any Government/Public agencies
- iv. Point-by point responses to the enclosed document given in Appendix A.

The eligibility criteria and other details are given as Appendix A. The EOI in a sealed envelope may be forwarded to The Convener, KVPY, Indian Institute of Science, Bangalore 560012, Phone: 080-23601008 so as to reach this office on or before 13th February 2017 (5.00P.M.). The pre-bid meeting will be held in the KVPY premises and the date and time be notified later.

For further information, please contact the KVPY office at kvpy@admin.iisc.ernet.in

Convener, KVPY

NOTE: The KVPY reserves the right to reject any or all EOI received without assigning any reason.

Appendix A

Eligibility Criteria:

1. Turn Over of the organization:

Organization Turnover (Average Turnover of last 5 years) from business in INDIA.

25 Crore or above

(Note: Organization must be profitable in at least last 5 financial years)

2. Software/Solution:

The service provider should own the copyright of the source code of the software being used for conducting the examination. A technical team should provide on-site help on a regular basis on the software and its method of usage at various stages of application process and examination.

3. Work experience:

The service provider should have in-house technical personnel to develop and maintain the software and data used to conduct the examination. Also, it should follow a well-defined Software Change Management process to manage the changes in the software at appropriate time.

4. Test Capability:

The software should have the capability to upload the question papers after the encryption is done at the client's location.

5. Infrastructure Facility:

Satisfactory infrastructure should be available to conduct the examination for candidates up to 2,00,000. Past experience of similar nature in terms of number of assignments (conducting online examinations- LAN based CBT mode, in Exam centers all over India). Any past experience in conducting entrance examination for any government organization in at least 50 cities and up to 2,00,000 candidates in a single session.

6. Manpower Capability:

The technical staff on the rolls of the company to address comprehensively our requirements including the design, development, maintenance and Operation of this activity should not be less than 100. This does not include the deployment of staff at the location across the country for conduct of the online examinations.

Requirements of KVPY including expected work load:**Application process:**

The Online Registration Module should have the following features:

1. Detailed guidelines and instructions about the program, eligibility conditions, fees etc. Online Application Form, wherein the candidate can fill the requisite information as desired.
2. The application form should have menu driven items for capturing identical information.
3. Pop ups for the message alerts, instructions etc.
4. Validation of email ID filled by the candidates
5. Uploading of scanned photographs and signatures
6. Uploading of scanned certificate to check the eligibility, receipt of payment etc.
7. Provision for integration with the Online Payment Gateway
8. Providing and operating security enabled payment gateway and managing online/offline payments through other modes.
9. Generation of unique registration number and password.
10. The candidate should have the facility to edit the information up to a pre-specified date using the unique registration number and password.
11. Provision to send individual common or customized messages through email or SMS to the candidates.

Eligibility Checking:

Checking of the Eligibility of the candidates will be done as per the details submitted by the candidates during application submission.

Admit Card Generation Module:

The Admit Card Generation Module should be able to retrieve the required information from databases. This module should offer the following features and facilities to effectively carry out important pre-exam activities: Generation of personalized Admit Cards containing the Roll Number and allotted Examination Centre details of the applicants and make it available for downloading and printing by candidates.

Conducting of KVPY Aptitude test:

The service provided should ensure that the requisite infrastructure and software are available for adequately large Bilingual Question Bank (English and Hindi), Bilingual Question Paper Software and Security Software for the smooth conduct of the examination.

Technically qualified, experienced, adequate manpower should be provided to manage the entire examination process. There should be at least 1 technical person directly from the agency managing LAN (Local Area Network) (server) and 1 person as center head at each test center to obtain connectivity and provide test centers across India and manage them.

The team from the organization should be able to address the security issues- Providing security software's and securing the network systems to establish a highly secured system for the entire process.

Result Declaration Module:

This module should offer the following features and facilities to effectively carry out the post examination activities.

- 1 The result of the candidate to be linked with the main database.
- 2 Uploading and display of Examination results
- 3 Generation of cast-wise, category-wise merit list for the KVPY Interviews.

Question Bank MODULE:

- a. A subject-wise expert team will prepare a question paper and the question paper will have details as to how many sections would there be in a paper, how many questions per section and how many sections candidates should answer.
- b. Questions may contain many textual, pictorial, mathematical, chemical symbols and graphs, etc
- c. The encrypted question paper should also be password protected set by the KVPY authority before uploading. Password will be given only 60 minutes before the start of examination.

Evaluation Methodology and Short listing:

The technical evaluation committee appointed by the Institute will evaluate the submissions and call only those bidders who have responded to all the requirements and are meeting the stipulated conditions. As the process of selecting a service provider should be done as soon as possible, the vendors may be invited for a technical presentation on a short-notice. The decision of the committee is final and binding on all the bidders. Only those bidders who qualify in the "Expression of Interest" will be issued the "Request for Proposal" document.

List of Documents to be submitted by bidders for Evaluation:

- a. Brief write-up on the organization
- b. Latest financial results and balance sheet
- c. Past experiences of conducting CBT/Online examination at All India Level for any Government/Public agencies
- d. Point-by point responses to the above document.