

**EXPRESSION OF INTEREST FOR DESIGN, DEVELOPMENT AND MAINTENANCE OF MOBILE
ENGLISH LEARNING APPLICATION FOR STUDENTS OF GOVT. SCHOOLS OF HARYANA STATE**

The State Project Director, Haryana School Shiksha Pariyojna Parishad, Panchkula invites expression of interest to develop, design and maintenance a mobile English Learning Application including embedded content development framework that allows modular structuring of the content suitable for self-paced mobile learning for Secondary & Sr. Secondary Student. The firm/company should have team of language experts and editorial with communication skill in English. Last date of submission of application is 28.01.2020 upto 3:00 P.M. For more details kindly visit the website www.hsspp.in

- The firm/company must be registered bodies with Govt. of State or Govt. of India.
- The firm/company should have minimum turnover of Rs.30 Lacs in last three years i.e. 2016-17, 2017-18 & 2018-19.
- The firm/company should have expertise with android and iOS platform and IT development for mobile applications.
- The firm/company should have executed 3 projects with government/private entities of atleast 10,000 licenses per project in last three years.
- The firm/company should have an English language expert and editorial team with an experience of at least 2 years in content development such as quiz, test etc. for academic/corporate training.
- Preference will be given to companies/entities that have experience of working with government/public organization on the development and execution of mobile application for training of English Learning.

State Project Director
Haryana School Shiksha Pariyojna Parishad,
3rd Floor, Shiksha Sadan, Sector-5,
Panchkula, Haryana

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1. Evaluation and comparison of proposals

A two-stage procedure is utilized in evaluating the proposals, with evaluation of the technical proposal being completed prior to any finance/budget proposal being opened and compared. The finance/ proposals will be opened only for submissions who passed the minimum technical score of 50 of the obtainable score points in the evaluation of the technical proposals. The technical proposal is evaluated on the basis of its responsiveness to the Term of Reference. In the Second Stage, the finance/budget proposal of all firm, who have attained minimum 50 score in the technical evaluation, will be compared. The contract will be awarded to the firm offering the highest score using a cumulative analysis.

2. Criteria for evaluation

This evaluation process consists of 2 stages. Only those companies, that have passed the first technical evaluation stage, will be considered for financial evaluation. During the first stage participants' technical proposals are examined against the following evaluation criteria:

	Eligibility Criteria	Max Marks	Scoring
1.	Number of years of relevant experience of the firm	15	2+ Years: 15 marks 1-2 Years: 10 marks <1 Years : 5 marks
2.	Projects with government/private entities of at least 10,000 licenses per project	25	5+ Projects: 25 marks 3-5 Projects: 15 marks <3 Projects: 10 marks
3.	Past Experience of working in the Education Sector with the government	10	5+ years: 10 marks 2-5 years: 7 marks <2 years: 3 marks
4.	Average turnover per year for past three years	15	> Rs.30 lakh: 15 marks Rs.20 lakh – Rs.30lakh: 10 marks <Rs.20 lakh: 5 mark
5.	Size of Editorial and language expert team for content and assessment planning	15	>5: 15 marks 3-5: 10 marks <3: 5 mark
6.	At least 3 years of experience in developing of content and assessment	10	Yes: 10 marks No: 0
7.	Experience in creating student assessment tool, lesson plan, dashboards etc.	10	Yes: 10 marks No: 0

3. Award criteria, award of contract

The higher authority reserves the right to accept or reject any proposal, and to annul the solicitation process and reject all proposals at any time prior to award of contract, without there by incurring any liability to the affected Organization or any obligation to inform the affected Organization or organizations of the grounds for the organization's action. The award of the contract to the qualified Organization whose proposal after being evaluated is considered to be the most responsive to the needs of the organization and activity concerned.

4. Scope of Work

The purpose of developing this mobile application would be to enhance the capabilities in the subject of functional English of around 5.5lacs students in Secondary and Sr. Secondary schools in State of Haryana. This mobile application will be accessible to all students for self- learning.

For the above requirement, the firm/company is responsible for overall application architecture and development including concept, design, testing, installation, training and content development framework that allows modular structuring of the content suitable for self-paced mobile learning for Secondary & Sr. Secondary Student. The firm/company should have team of language experts and editorial with communication skill. The application is proposed to be a mobile based app developed for Android and iOS platform.

The following tabs will be on main screen:

1. Splash Screen
2. Welcome Note – About HSSPP with logo.

4.1 Following are the selectable tabs

- **For Student Interface–**

- 4.1.1 Registration/Login form: A registration form for student with their basic and schools details, so that HSSPP will know how many students are using the app and to get reports in future.
- 4.1.2 Assessment/ Quiz: Student can get syllabus according to their classes and can take assessment test or quizzes.
- 4.1.3 Result: The result of each test/quiz will be stored for further progress and reports/monitoring.
- School-wise, District-wise and State-wise ranking of students will be available to students, teachers, monitoring team and in the dashboard of various stakeholders to build positive competition among students.
- Dashboard for State Project Director to view overall implementation status, Director SCERT, DEO, DIET of their respective district, BEO of their respective block and PGT English & School Principal for their respective school.

4.2 Data source - Hosting Server & Database

The database platform and application server should be hosted on cloud server for a highly secure and fully managed service. Database should be designed to permit secure logins to update the mobile application database as and when required. There should be an option of populating mobile application database from another database or through secure login interface for manual entry. Database and web server should be Load balanced to handle users in parallel.

4.3 Application Development Activities envisaged

- i. System Analysis and design
- ii. Creating app UI
- iii. Creating a database
- iv. Creation of APIs for connections
- v. Cloud hosting
- vi. Connection of the UI with database
- vii. Testing the app
- viii. Publishing the app for rollout.

4.4 Mobile Platform Requirement

Sl. No.	Platform Support (OS)	OS Version	Display Support
1	Android	2.3 and Above (latest Version available)	(426 x 320 dp) and above For android phones and tabs

4.5 User Interface Requirements

1. All icons must be crisp, clean, and distinguishable and should be as per guidelines of mobile application platform.
2. All buttons and objects must be reactive to touch and work as intended.
3. All functions must stay within the mobile platform boundaries.
4. All data must be easily viewable on different Mobile platform matrix given above.
5. The design/User Interface of the mobile application should be flexible enough for multiple themes/skins
6. Free downloads from Google playstore.
7. Data representation through graphs and bar chartsetc.

4.6 Technology Requirements and Deliverables

1. Mobile App development should be in Native languages, responsive, dynamic, online and robust mobile application which is to be supported on smart mobile phones and tablets with o/s such as Android future versions of the mentioned O/S.
2. Firm/company will setup and deploy CMS application and Database to cloud server in India with interface via secure login for database update & vendor may also be required to provide facility to import data from predefined parameters in excel format

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into the database. The selected vendor will be required to provide quarterly report for hosting up time.

3. Firm/company has to ensure the development of mobile application as per guidelines issued by Application stores. For ex: Googleplay.
4. The test plans, test cases and results for each of the phases will be shared by vendor with HSSPP.
5. Firm/company has to share the Design and get approved by HSSPP and then start development on it.
6. User Manual, Admin Manual, Test Cases, Test Plan and QA Results for User Acceptance testing.
7. Application Code, Web API's to be handed over to HSSPP
8. Deployment document to be provided

4.7 Training

For the effective uses of the supplied application licenses & their functionalities, the selected vendor must compulsorily provide classroom training for HSSPP officials. Following training needs are to be provided by Vendor as part of the scope:

- (1) Content Management Training
- (2) Deployment & Hosting Training
- (3) Application Submission Training

4.8 Technical maintenance support

- 4.8.1 Minimum support period along with hosting is two years after HSSPP's acceptance of deliverables.
- 4.8.2 Support should be provided through email, telephone, remote login or visit to HSSPP office if the situation so demands. The scope of technical support includes rectification of errors within the already developed solution and/or transferring solution from one server to another server.
- 4.8.3 The scope of technical support also includes rectification of errors within the already developed solution, cloud server/database administration, server migration, patching, system upgrades, technical and functional support to HSSPP users etc.

4.9 Intellectual Property Rights

The Intellectual Property Rights of the application will rest with HSSPP. The Firm/company will provide the source code of the application as well as database to HSSPP at the time of sign-off.

5 Project Duration

Total duration of the project completion is six weeks and providing two years technical maintenance support post Go-Live. Project milestones are as under.

- 5.1 Milestone 1 – Requirement gathering and SRS – 1 week from acceptance of LoA.

- 5.2 Milestone 2 – Software design and development – 3 weeks after Milestone1.
- 5.3 Milestone 3 – Hosting, Testing and Security auditing – 1 week after Milestone2.
- 5.4 Milestone 4 (Go-Live) – Training and mobile app publishing – 1 week after Milestone3.

6 Payment Structure

Milestone	Payment (% of Total Cost)
Milestone 1	15
Milestone 2	30
Milestone 3	25
Milestone 4	30

Final payment will be released after the security audit certificate from CERT empanelled agencies released and only on submission of Invoice/Bill duly completed in all respect.

7 Liquidated Damages/Penalty

- 7.1 If the Firm/company fails to complete in full, all delivery and implementation according to the project schedule, HSSPP reserves the right to recover @ 1.0% of the contract value for each complete week or part thereof, for delay up to a maximum of 10% of contract. Thereafter, HSSPP will have the right to terminate the contract in case of delay beyond 10 weeks and would have the option to execute the project from market at Firm/company's risk and cost.
- 7.2 Failure to maintain hosting uptime ranging 99% to 99.5% may lead in deduction of amount of damages/penalty @10% of payment in Milestone 3, uptime ranging 95% to 98.99% may lead to deduction of payment in Milestone 3 @30% and uptime below 95% may lead to deduction of payment in Milestone 3 @100%.
- 7.3 Non availability of resident support engineer during first year technical maintenance support as per Clause 8.8.2 may lead to deduction of amount @ ₹500/- per day. Failure to attend to a complaint within four hours in the second year of technical support may lead to deduction of ₹400/- per complaint

8 Term of Reference

- The Firm/company must be registered bodies with Govt. of State or Govt. of India.
- Rate should be quote inclusive of the cost of Services, Manpower cost, Transportation, maintenance for a minimum period of 2 years, and report generation and also inclusive of charges of VAT and other taxes as applicable.
- The HSSPP will reimburse the amount as per clause 6 mentioned at Payment Structure.
- All information, document, photos and data coming in the possession of

firm/company, as a result of the execution of the job shall all at time remain the property of HSSPP at all time.

- e) The firm shall not make or allow making an unauthorized copy, use, access or other utilization of these materials commercially or otherwise, directly or indirectly except as agreed to by the HSSPP. The firm shall also ensure complete confidentiality of the information and data provided to carry out the job.
- f) The firm has to complete the job assigned within the joint agreement time and if the job is not completed within the stipulated time, a penalty will be imposed as per clause 7.
- g) The HSSPP will have no liability regarding transportation, boarding and loading of firm and their staff.
- h) The firm/company shall not appoint any sub contractor or sub lease the contract under any circumstances. If violated the conditions, the firm will be terminated.
- i) The, rate quoted once will be remained same for that particular dealing. Any Conditions of the firm sent along with proposal if any, shall not binding HSSPP.
- j) The firm shall host a server at their end for the entire assignment.
- k) TDS as applicable on date will be deducted from firm actual bill submitted for payment.
- l) The price accepted by the committee is final and no deviation from it will be accepted in this regard.
- m) The selected firm/company will have to complete the job as per term and conditions specified above.
- n) HSSPP reserves the right to accept or reject any or all EoIs without assigning any reason thereof.
- o) Conditional offer/ EoI submitted by fax/email or after the due date and time will be rejected.
- p) For any query please contact -pohsspp@gmail.com

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Annexure 1 : Technical Bid for Mobile application

S.N O.	Particulars	Description
1.	Name, Address, email and telephone number of the agency/firm	
2.	Name. Designation, Address and telephone no. of the authorized person	
3.	Whether firm is registered, PAN (Please attach copy)	
4.	Detail of experience with all stages of developing mobile app, technology skills, with previous experience of development, maintenance, management, editing of mobile application.	
5.	Detail of experience in developing mobile application and maintenance for the past three years (please attach proof)	
6.	Detail of similar assignment (Please attach copy with sanction letter/ work order)	
7.	Detail as required in Evaluation Criteria (Please attach affidavit copy)	
8.	Describe organization knowledge about mobile application (Human Resource skill set and profiles)	
9.	Latest Tax Return (Please attach copy)	
10.	Annual Turnover: 2016-17, 2017-18 and 2018-19	
11.	Proposed Work Plan and Approach	

Declaration:

This is to certify that I/We before signing this job assignment have read and fully understood all the terms and conditions contained in the document and undertake myself/ourselves to strictly abide by them.

Signature of the officer with name, designation, seal and date

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Annexure 2 : Financial Bid for Mobile Application

(Attach separate sheets , if necessary)

Please provide detail financial implication to the organization with break up. (All prices/rates quoted must comply to the terms and conditions of ToR.)

The Finance/ Budget Plan must provide a detailed cost breakdown. Provide separate figures for each functional grouping or category.

Declaration:

This is to certify that I/We before signing this job assignment have read and fully understood all the terms and conditions contained in the document and undertake myself/ourselves to strictly abide by them.

Signature of the firm with name, designation, seal and date

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