



SURUHANJAYA KOMUNIKASI DAN MULTIMEDIA MALAYSIA
(MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION)

REQUEST FOR QUOTATION

Development of two mobile applications:-

1. Money Reader for Ringgit Malaysia Currency Notes
2. Google Text-to-Speech Talkback in Bahasa Malaysia

Date: 29 April 2016

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BACKGROUND

About Digital Lifestyle Malaysia

1. The Malaysian Communications and Multimedia Commission (MCMC) is the regulator, promoter and developer of the communications and multimedia industry. Among one of its developmental role, MCMC is actively driving the growth of the industry through the development of applications and services under its Digital Lifestyle Malaysia (DLM) initiatives. For ease in identifying potential DLM applications and services for developmental purposes, DLM may be described by any or a combination of the five (5) dynamic ecosystems namely:
 - Agriculture;
 - Transportation;
 - Healthcare;
 - Retail & Payment; and
 - Track & Trace.
2. The DLM initiative aims to facilitate, catalyze, and promote the development and implementation of DLM applications and services through industry cross-facilitation in the form of partnerships between the Government, businesses and society with the ultimate goal of transforming lifestyle for the benefit of citizens.

Project Summary

3. MCMC has entered into a working collaboration with National Council for the Blind, Malaysia (NCBM) in identifying the program and applications to empower the ICT adoption amongst the blind society. The objectives of this program are:
 - To encourage the society to adopt the use of ICT that can benefit them and enhance their quality of lifestyle.
 - To help the society to become competent users of ICT for more efficient, effective and creative use of smart mobile applications in their everyday activities.
 - To facilitate better communication through ICT between the society thereby promoting greater social understanding and harmony in the digital world.
 - To invite system integrators/developers or interested stakeholders to develop smart applications to assist OKU society.
4. As the first activity under the smart partnership program, MCMC and NCBM have identified and agreed to develop two Android based mobile applications which will bring the most benefit to the blind society. The development will be done by virtue of Request for Quotation (RFQ) to the interested and capable companies and individuals.

MOBILE APPS SPECIFICATIONS

Money Reader for Ringgit Malaysia Currency Notes

5. Objective

- To develop a free mobile device application to identify denominations of Ringgit Malaysia Currency Notes (Malaysian paper currency) as an aid for the blind or visually impaired.

6. User Requirement

- To be developed specifically for the blind or visually impaired to use as a tool to increase accessibility and recognition to Ringgit Malaysia Currency Notes.
- To allow the user to scan the Ringgit Malaysia Currency Notes and communicate its value back to the user.
- The app is available as a free download on Google Play and will be hosted on DLM Cloud Server.

7. Features

- Android based mobile app.
- No data connection required – all processing on device.
- OneTouch, hand-held operation.
- Detect front and back of currency note.
- No equipment modification, special background materials or special lighting required.
- 2-4 seconds response time.
- User selectable spoken output in BM and English.
- Spoken mode also indicates the front or back of the currency note.

Google Text-to-Speech Talkback in Bahasa Malaysia

8. Objective

- To include BM as the selection language for Google Text-to-Speech Talkback application, using Android TTS API if necessary.
- Talkback is an Accessibility Service screen reader that helps blind and visually impaired users to interact with their devices.

9. User Requirement

- Blind and visually impaired users require Talkback to give spoken feedback in BM.
- Talkback adds spoken, audible, and vibration feedback to the devices for the benefit of the blind and visually impaired users.

10. Features

- Android based mobile app.
- Text-to-speech voice output in Bahasa Malaysia.
- High quality voice output with male and female voice option.
- The developed BM text-to-speech output must be compatible with the latest version of Google Talkback App.
- No extra setting or modification to be done at the pre-install Google Talkback.

SCOPE OF THE PROPOSAL

11. In line with this initiative, the Invitation serves to invite interested applicants to submit the scope of works and specifications for the proposed Project as stated below:

SCOPE OF PROPOSAL	
SEGMENT	DESCRIPTION
Executive Summary	To provide an Executive Summary of the proposed mobile application development which describe the objective, solution to meet user requirement and expected features.
Development Approach	To propose the design and development approach to meet the requirement and specification. This involves the process of conceptualizing, designing, developing and commissioning of the mobile apps.
Technical Proposal	<ul style="list-style-type: none"> • Details of the solutions/systems being proposed. • Details of the technology being proposed. • Project Management and Implementation Team. <ul style="list-style-type: none"> - Provide the name, address and contact numbers of the Project development team. • Project Implementation Schedule. <ul style="list-style-type: none"> - Deliverables schedule indicating concept design, development, deployment, testing and commissioning covering the duration of Project rollout. - Final version of the Mobile Apps must be available for free download five months after LOA or earlier. Applicant with the shortest development timeline will have slight advantage.
Financial Proposal	<ul style="list-style-type: none"> • Breakdown of CAPEX and OPEX costs in detail, inclusive of the following but not limited to: <ul style="list-style-type: none"> - Capital cost for the hardware and software, but excluding developmental hosting on DLM Cloud Server (at no charge)

	<p>throughout the Project period.</p> <ul style="list-style-type: none"> - Operational cost for manpower, training, professional services, etc. - Breakdown of the main equipment and components that will be required for the mobile applications development. - Breakdown of costing table to be applied to both mobile applications:- <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">Mobile Application: (Please specify)</th> </tr> <tr> <th>No</th> <th>Items</th> <th>Price</th> <th>Quantity</th> <th>Total Price</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Application Development (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Application Testing (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Application Commissioning (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>Documentation (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Training (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>One year warranty/maintenance (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>Others (to provide details)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>TOTAL</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Mobile Application: (Please specify)					No	Items	Price	Quantity	Total Price	1	Application Development (to provide details)				2	Application Testing (to provide details)				3	Application Commissioning (to provide details)				4	Documentation (to provide details)				5	Training (to provide details)				6	One year warranty/maintenance (to provide details)				7	Others (to provide details)					TOTAL			
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Reporting	To prepare scheduled progress report on the status of the Project.																																																		
Others	To furnish any other information which MCMC may require from time to time																																																		

TERMS AND CONDITIONS

12. Eligibility Criteria

The Applicants must meet the following requirements:

- The Proposals must be completed and submitted before the closing date – Incomplete proposals may be declared ineligible. The closure date of the RFQ submission is two weeks after the published date on MCMC Website.
- The Proposals submitted by the Applicants to MCMC is new, original, genuine and should not belong to any third party.
- The Applicant must have experience in Android application development, Android SDK & APIs, Java, C, and C++ or the most appropriate technology

13. Schedule of Payment

Upon verification and approval by MCMC, the disbursement of payment shall be as follows:

STAGE OF DISBURSEMENT	PERCENTAGE (%)
Advance Payment (upon acceptance of the Letter of Award), and upon proper execution and stamping of the Contract	10
Upon satisfactory completion for 30% of the mutually agreed milestones	25
Upon satisfactory completion for 60% of the mutually agreed milestones	25
Upon commissioning of the project to the satisfaction of MCMC	25
Final Payment upon satisfaction of MCMC of the completion of the Project	15

MCMC has the right to request for full reimbursement of the payment disbursed to the Applicant in the event of:

- Incompletion of the Project; or
- Termination due to contravention of terms and conditions; or
- Failure of the Applicants to meet the milestones set by MCMC.

14. Intellectual Property Right

- The IP shall be owned by the Applicants with MCMC being recognized as a partner in the development of the Project.
- The Applicants shall not use the IP rights for unrelated purposes without prior written consent from MCMC.
- MCMC shall be acknowledged in the credits upon successful commissioning of the applications and services in the post POC stage.

15. Contract Agreement

The successful Applicants shall be required to enter into a formal Contract with MCMC incorporating the terms and conditions of the Proposal and all other relevant correspondences. The Contract shall be prepared by MCMC.