



ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް

ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
38/2025/W-002	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
(IUL)38-AB/38/2025/90	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
24 ޖުލައި 2025	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް

ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
06 ޖުލައި 2025 (ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް)	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
13:30	ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް

ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް
ދިވެހިރާއްޖޭގެ ޖުމްހޫރީ ޞަރުކާރުގެ ގެޒެޓް

- [illegible]

6. $\begin{matrix} \textcircled{0} & \textcircled{1} \\ \textcircled{2} & \textcircled{3} \end{matrix}$

[illegible]

6.1.2 $\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$

6.1.3 $\frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m \frac{d}{dt} (v^2) = m v \frac{dv}{dt} = m v a$

6.1.4 اِسْ دِ رَسْرَكُو فَوْدِي مَدَايِ هَمُوسَر فَخِرَتِي سَهَرِي نَاسَر قُورِي هَوِي كَسِي
مَرْحُوم.

6-1.5 ھەمىزلىق ئۆزگەرگۈچى سۆزلەر، ھەمىزلىق سۆزلەر، ھەمىزلىق سۆزلەر، ھەمىزلىق سۆزلەر
120 نۆپۇس بېرىلگەن.

[illegible]

8 8:1 8:2.1 8:2.2 8:2.3 8:2.4 8:2.5 8:2.6

8:2.1 וְהָיָה כִּי יִשְׁמַע ה' אֶת-קוֹלְךָ וְיִשְׁכַּח אֶת-עֲוֹנוֹתָיִךְ כִּי-יִשְׁמַע ה' אֶת-קוֹלְךָ וְיִשְׁכַּח אֶת-עֲוֹנוֹתָיִךְ

8.2.2 د اېډوټس، زېږون، ناست، ورسره ناست، زېږون، او زېږون.

8.2.3 دَسَوْنَامُ نَجْمِزَدَنْتَنَدُسَر مِرْزَادُو مُنْدَزَانْدِيَارُونَسَر.

8.2.4 داسو لوم سړو د سرخه دودونو، داسو لوم سړو د قهرمانانو او سړي

چې د دودونو زيارونه.

[illegible]

8.2.6 اَمَرَ مَجْعَعَةً رَحِمَ دَسَوْنَه رَّوْ نَحْدَزِي دَسُوْسُ وَهَرِسَ زَرْزَرْزَرْزَرْ
وَخَدَزِي اَخْرَقَتْ اَنْسَلَمَ كَيَا رِدَسَرْزَوْسَرْزَوْ.

[illegible]

9.2

[illegible]

[illegible]

1	دستوریه رسیده ددوژو	
1.1	فهرست نامه های سر: از ددوژو به سید محمد علی محمدی و سید محمد علی محمدی	
1.2	فهرست نامه های سر: 38/2025/W-002	
1.3	از ددوژو به سر: (IUL)38-AB/38/2025/90	
1.4	از ددوژو به سر: 24 شهریور 2025	
2	موضوع گزارش و ددوژو	
2.1	درخواست سر:	
2.2	موضوع نامه های سر:	
2.3	موضوع نامه های سر:	
2.4	موضوع نامه های سر:	
2.5	فهرست سر:	
2.6	از ددوژو به سر:	
2.7	درخواست سر: ☒	
	☐	از ددوژو به سر
	☐	نامه
	☐	فهرست سر
	☐	نامه
3	گزارش و ددوژو (نامه های سر) رسیده ددوژو، فهرست سر و ددوژو ددوژو، از ددوژو و ددوژو (نامه های سر) رسیده ددوژو	
#	سر	ددوژو
4	دستوریه رسیده ددوژو	
د دستوریه رسیده ددوژو، دستوریه رسیده ددوژو، دستوریه رسیده ددوژو سر: درخواست سر:		
سر: درخواست سر:		
سر: درخواست سر:		

Implementation of Dhivehi Speech-to-Text Transcription Solution RFP

Introduction

The Elections Commission of Maldives (herein referred as ECM) is seeking proposals for a Dhivehi language speech-to-text (STT) transcription solution that includes both software and hardware components. This end-to-end solution encompasses a sophisticated transcription application along with the required server infrastructure for on-premises deployment. The successful implementation will include staff training and ongoing maintenance support.

1. General Requirement

- a. The application should follow quality user experience (UX) guidelines to make sure it is simple to use and navigate.
- b. Transcription Accuracy: The system must consistently achieve a minimum of 90% accuracy in speech-to-text conversion across various speaking styles, accents, and audio quality conditions
- c. Hosting: The entire system must be deployed and operated within the ECM's infrastructure while maintaining the capability for secure remote updates.
- d. Security Standards: Implementation must adhere to industry-leading security standards and coding practices
- e. Training Data: The system must effectively utilize audio recordings and transcripts provided by ECM for model training and optimization.
- f. Initial Deployment: A 6-month initial deployment phase that includes system setup, testing, and refinement. During this period, the system should accommodate reasonable modification requests to optimize performance and user experience
- g. Maintenance: Ongoing maintenance services must be provided in close collaboration with System Administration staff. This includes regular system updates, performance optimization, bug fixes, and technical support
- h. Staff Training: Comprehensive training must be provided for both current system features and future updates

2. Technical Requirements

- a. The application must incorporate the Active Directory for authentication purposes and must offer comprehensive support for managing user permissions via Active Directory with the use of Security Groups or must be able to manage user ACL from the web admin.
- b. The application must have features to manage different departments of users and segregate transcriptions according to departments.
- c. The application shall include comprehensive support for generating and maintaining audit access logs for all transcription activities and all user activities.
- d. The application must incorporate speaker diarization capabilities to accurately identify and distinguish between different speakers within an audio stream
- e. Processing Infrastructure: GPU-based computation- All transcription processing must utilize GPU resources Efficient resource allocation

- f. Web-based interface: Modern web technologies, Responsive design Cross-browser compatibility
- g. Reverse Proxy Compatibility: The system must function seamlessly when operating behind a Nginx reverse proxy with TLS termination.
- h. Admin Dashboard: The dashboard must include the capability to effectively arrange and organize recent jobs using features such as folders, tags, and the ability to search by name and within specified date ranges. Additionally, the option to access an archive of older, more historical jobs should also be provided.
- i. Reverse Proxy Compatibility: The application should incorporate a feature-rich WYSIWYG editor that supports all prevalent Thaana and Latin fonts.
- j. WYSIWYG Editor: The WYSIWYG editor must possess the capability to split or merge sections of text. For instance, this functionality should be available to rectify situations where the application inadvertently divides a single speech into multiple segments
- k. Accuracy Tracking: The WYSIWYG editor must provide word level accuracy rates for speech segments
- l. Audio Synchronization: The WYSIWYG editor must be accompanied by an audio scrubber that automatically aligns the caret or text cursor to the precise location of the corresponding text
- m. Variable Playback: The audio scrubber should offer playback support at different speeds, including 0.25x, 0.5x, 2x, and 4x
- n. Workflow Management: Upon completing document editing, the editor should forward the document to the subsequent stage of the workflow, where a verifier will review and finalize it. Following this, an option to download the document file must be made available.
- o. Document Export: The resulting text format must adhere to the prescribed template and generate a valid and editable Microsoft Word (.docx) file upon export. The application must support the storage and processing of files utilizing a locally hosted Object Storage Service.

3. Hardware Requirements

- a. 4U ATX Rack Mount Case, with all required PWM fans and support for dual 2.5 slot GPUs
- b. AMD Ryzen 7 5700X 3.4 GHz 8-Core Processor
- c. Tower-Style CPU Air Cooler
- d. AM4 Motherboard with 2x PCIe x16 slots and at least 3x NVMe slots
- e. Minimum 32GB DDR4 RAM 3600mhz or higher (4 x 8GB or 2 x 16GB)
- f. Samsung 980 Pro 2 TB M.2-2280 PCIe 4.0 X4 NVME Solid State Drive
- g. Samsung 980 Pro 1 TB M.2-2280 PCIe 4.0 X4 NVME Solid State Drive
- h. Dual GeForce RTX 3060 12 GB Video Card (Must Ensure Compatibility with Rack Mount Case)
- i. Minimum 850W 80+ Gold Rated ATX Fully Modular Power Supply (Must Ensure Compatibility with Rack Mount Case and Dual GPUs).

4. Warranty & Maintenance

- a. The bidder should provide Warranty for respective requirements included in the proposed solution.
- b. A comprehensive SLA must be provided with the proposal for one year.
Delivery and Installation Schedules
- c. The vendor shall install the software and integrate with existing infrastructure within 2 weeks from the date of delivery of the hardware at the respective location.
- d. After completion of installation the bidder should obtain sign-off on the Installation-cum-Acceptance certificate from the ECM official. ECM will carry out acceptance of hardware as per acceptance test plan.
- e. Installation will be treated as incomplete in one/all the following situations:
 - i. Non-delivery of any software or other components, accessories, documentation, drivers, media mentioned in the order.
 - ii. Non-delivery of supporting documentation.
 - iii. Delivery, but no installation of the components and/or software.
 - iv. System operational, but unsatisfactory to ECM

5. Expectations from Bidders

- a. As required by this RFP, the bid must be accurate, comprehensive, and in the format specified. As stated in points 1, 2, and 3, all suggested items must be accompanied by the relevant technical documents.
- b. The vendor must provide at least 4 references where such systems have been installed on on-premises and are being maintained. (Letter from the client confirming the completion of the project).
- c. The technical Proposal should include solution design diagrams and specifications.

ދަނޔު 3- (ހަދަ ދަނޔު ދަނޔު)

ހަދަ ދަނޔު (ހަދަ ދަނޔު ދަނޔު)	ހަދަ ދަނޔު
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	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	1
	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	2
	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	3
	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	4
	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	5
	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	6
	✓	ޖަވާބު ދޭ ވަރަށް ފުރުޞަތު ދޭ ގޮތަށް	7

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۵- (مَحَرِّقٌ مُرْتَضٍ قَدْ تَمَّ حَرْقُهُ وَتَمَّ حَرْقُ مَحَرِّقِهِ وَتَمَّ حَرْقُ مَحَرِّقِ مَحَرِّقِهِ)

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