



MINISTRY OF LABOUR
AND SOCIAL
PROTECTION



Japan
Fund for
Poverty
Reduction



L3605/G9191: MON48076 – ENSURING INCLUSIVENESS AND SERVICE DELIVERY FOR PERSONS WITH DISABILITIES PROJECT

TERMS OF REFERENCE NATIONAL CONSULTANT FOR DEVELOPING DEVELOPING TECHNICAL SPECIFICATION AND PROPOSAL FOR THE TEXT TO SPEECH PLATFORM – C12

A. BACKGROUND

The Government of Mongolia is implementing the "Ensuring inclusiveness and service delivery for persons with disabilities project" (Project) with Loan No.3605 from the Asian Development Bank (ADB). The Project aims to support the employment of persons with disabilities (PWD) by increasing access to services and livelihoods and self-reliance of PWD in Ulaanbaatar and the provinces (aimags) and thereby increasing their contribution to the economy and society.

See details on <https://www.adb.org/sites/default/files/project-documents/48076/48076-002-rrp-en.pdf>

Under the project the MLSP aims to develop and maintain a Mongolian Text-to-Speech (TTS) software that provides core functionalities needed to convert Mongolian text to audio formats not limited to only one device and without depending on any operating systems. The MLSP will engage a national consultant to prepare technical specifications and draft terms of reference to develop such software product based on the TTS software API (Application Programming Interface) to assist those who enable to read.

MLSP will select the consultants in accordance with ADB's "Guideline on the Use of Consultants " (as amended from time to time).

B. SCOPE OF CONSULTING SERVICE

1. To prepare technical specifications and draft terms of reference for a developer to undertake the development of the Mongolian Text-to-Speech (TTS) open-source software and speech synthesis applications API (Application Programming Interface)

The consultant is expected to deliver the following outputs during and at the completion of the service:

1. Develop Mongolian TTS system requirements including:
 - (i) System solution, modules and system development plan;
 - (ii) System architecture requirements, such as hardware requirements, application platform requirements, and technology requirements
2. Estimate the budget for the development assignment, including budget for the development, implementation and for needed infrastructure.
3. Develop the terms of reference for a Consultant to develop the TTS system and assist the PIU in preparing bidding documents for procurement of the Consultant.
4. Conduct training needs analysis and training requirements for end-users.