



अपाङ्गता अधिकार र विकासका लागि क्रियाशिल नेपाल

ACTION ON DISABILITY RIGHTS AND DEVELOPMENT (ADRAD-NEPAL)

(Towards an Inclusive, Barrier Free and Right Based Society for the Persons with Disabilities)

25 October, 2018

- 1. DEVELOPMENT OF ANDROID BASED APPS FOR PROVIDING DISABILITY RELATED INFORMATION AND LINKING ACCESSIBLE DIGITAL BOOKS THROUGH BOOKSHARE ONLINE LIBRARY SYSTEM,**
- 2. PRODUCTION OF 100 ACCESSIBLE BOOKS IN DAISY OR EPUB PLATFORMS.**
- 3. AND/ UPDATE OF THE WEBSITE OF ADRAD TO MAKE THE ACCESSIBLE BOOKS FREELY AVAILABLE TO PERSONS WITH BLIND AND PRINT DISABILITIES,**

Summary:

The Action on Disability Rights And Development (ADRAD-Nepal) seeks support from experienced Information and Communication Technology (ICT) consultant in three specific tasks including (1) to develop android based apps for providing disability related service and using platform to read accessible books using bookshare online library system, (2) Production of 100 title books in accessible format (DAISY and Epub) and (3) Update of the website of ADRAD to make the accessible books available freely to the students with print and visual disabilities linking the Bookshare online library system.

, and upgrade the website of ADRAD for making the accessible books free available to the persons with print and visual disabilities. This assignment has been a part of project activities on "Promotion of Accessible Information Communication Technology for enhancing reading Capabilities of persons facing print and language barriers" of ADRAD under KMDU270, DAP 2018-2019 of Australian Embassy.

About ADRAD:

Action on Disability Rights and Development-Nepal (ADRAD) is a nonpolitical, Non-Governmental, non-profit making human rights based networking Organization of persons with disabilities established in Nepal in 2008. The ADRAD works To ensure positive changes in lives of Persons With Disabilities by enjoyment of rights in the mainstream society through awareness building, sensitization, capacity building, information dissemination, networking and accessible environment. The accessible multimedia representation has been prime area of its action. The DAISY DTB is being produced in collaboration with the organisations serving the BVI students. There is coordination with Curriculum Development Center, Ministry of Education, Kathmandu Metropolitan, World Intellectual Property Organisation (WIPO), Accessible Books Consortium (ABC), DAISY Consortium and schools promoting inclusive education for the adoption of accessible books in DAISY and Epub platform.

ADRAD has been producing the DAISY DTBs and made available to the students living with visual and print disabilities. It has distributed 600 Android devices to Blind students and orientated them to read the accessible books in the device. Still there is a big gap of distribution system thus ADRAD intend to develop Android based App so that the end-user among visual and print disabilities will have opportunity to connect online library system to access and read the accessible books.

Background of the consultancy:

The integrated school for the Blind and Visual Impaired student started in Nepal since 1964 starting from the Laboratory school. As the time passed, the concept of modernization in the teaching learning materials developed and the government started to provide the Braille books to the Blind and Visual Impaired (BVI) students of School level. Besides that, the Organisations working in the field of Blindness also started initiatives for providing the cassette tapes as the talking books for the BVI students.

In the recent development of accessible technology, the electronic devices and digital platform has overcome the barriers to Blind and print disabled students for acquiring the quality education in same time and competent manner. To this end, the "Digital Accessible Information SYstem (DAISY) has been adopted by ADRAD.

The Ministry of Education has adopted the inclusive education policy in 2017 that highlights strategy for strengthening alternative and open learning to facilitate access and participation of all types of children with disabilities. There are computer and library in the mainstream schools across the country. There is also Internet facilities based on ICT plan however the accessible ICT has not been adopted by the schools and there are no accessible digital platforms within the libraries in the public schools where thousands of students with visual and print disabilities are studying.

The implementation of inclusive educational policy requires availability of books and teaching-learning materials in accessible format. ADRAD has adopted DAISY standard producing accessible Digital Talking Books (DTB) which is foremost essential teaching learning materials for persons with visual and print disabilities and having language barriers. Due to lack of adequate accessible books and knowledge gap and absence of online distribution platform, a huge numbers of students with visual disabilities are deprived of access to education.

ADRAD has been privileged to extend partnership collaboration with DAP to find the solution in mitigating these challenges. It is a plan to develop Android based Apps that provide disability related services for different disability categories and accessing the DAISY and Epub books through Bookshare online library platform. It is also a plan to produce 100 digital books in DAISY or Epub format and make available freely through the website of ADRAD in online library. The students with visual and print disabilities and resource teachers will be made skillful for using such online library to read DAISY and Epub books. The apps will also be used to use Online manual helping end-users to use Android devices for obtaining desired accessible books and reading in own devices. This innovative endeavor support principles of living no one behind.

Components of consultancy assignment:

There are three components in the assignment which the expert organisation or individuals are encouraged to apply with a detailed letter of interest and budget.

COMPONENT 1 – Development of Android based Apps to access the disability related services and link to the Bookshare online library and download/ online read the digital books in DAISY and Epub format.

Consultant tasks:

- Develop an Android based Apps for providing disability related services to the beneficiaries group,
- Compile and organize the existing service provisions for different categories of disabilities particularly the ID card provisions, Scholarship, health facilities etc.,
- Establish membership method for the Apps so that the users can be tracked and support mechanism can be established.
- Link the apps in the Bookshare online system so that the apps can be used as a platform to access digital accessible books available in the online libraries.
- Embed the tutorial to use the apps to read the online books and access the services.
- Establish a chat box to get necessary and prompt help amongst the users of the apps.
- Facilitate the technical consultation meeting and present the dummy copy, and later make a final presentation of the Apps,
- Take part in the capacity building training to the end-users and provide technical support in the “Reading without seeing” workshops.

Deliverables:

- A short document (1-2 pages max) describing the methodology used for developing the Apps.
- A final copy of the Android apps along with the copy rights authority to ADRAD.
- A power point presentation describing how to use the Apps and an users guide,
- Any additional deliverables that are agreed at the beginning of the consultancy (in the above methodology document)

Timeline: This component of the consultancy needs to be realized between November, 2018 and ending in April 2019.

The Dummy copy should be presented by the end of March, 2019. In case the time frame has to be extended, a written understanding should be made with ADRAD.

COMPONENT 2 – Production of 100 accessible books in DAISY or Epub format.

Consultant tasks:

- Develop the word version of the contents of the school level textbooks adopted by the curriculum development center or the private publishers gathering 100 titles from grade 4 to Grade 12.
- Produce 100 title books in DAISY or Epub platform,
- Upload the produced books into the online library in Website of ADRAD and linking with the Bookshare online library system.

Deliverables:

- A letter of interest , word version of the textbooks and final copies of accessible books in DAISY or Epub format,
- Narrative report annexed with the library catalog of produced books.

Timeline: The timeline for component is realized from November 2018 and ends by August, 2019.

COMPONENT 3 – Modification and update the website of ADRAD (www.adrad.org.np) embedding the accessible books produced by ADRAD and link with bookshare online library system.

Consultant tasks:

- Modify the contents, feature and outline of the website of ADRAD.
- Follow the accessibility compliance with the Web Contents Accessibility Guideline (WCAG), embedding the connectivity with Bookshare online library,
- Establish platform of digital library within the ADRAD website,
- Take part in the capacity building workshop to the end users.

Deliverables:

- A short document (1-2 pages max) describing the complementary methodology and procedure of news update in the website for the web host in ADRAD.

Timeline: This component of the consultancy needs to be realized between March and July 2019.

INTERESTED CONSULTANTS CAN SEND A PROPOSITION IN RESPONSE TO (either all of the components or 1 & 3 or the individual components 1, 2, 3)

Qualifications:

Relevant university degree in ICT education for component 1 & 3 and training in component 2 with the experts engage from DAISY consortium.

Strong experience and knowledge of software development, web designing for component 1 & 3 and at least 3 years experiences of production of DAISY and Epub books.

Familiarity with the systems and context in disability related applications would be a strong added value

Knowledge of English;

Budget:

Applicants are invited to submit a budget/quotation within their proposal. The expected total budget for each of the 3 components will range from 4-5 thousand, 5-6 and 1 hundred thousand respectively.

Contracting and Remuneration:

A consultancy contract (as per ADRAD financial Bylaw) will be signed between the selected consultant(s) and ADRAD.

Applicants are invited to submit a copy of their citizenship and/ or company/consultant PAN numbers. Only applicants with valid company registration/ PAN numbers will be considered. Payments will be made in several installments and upon successful completion of the deliverables and submission of invoices.

Please send a letter of interest and a detailed proposal (with budget/quotation) to ADRAD secretariat (afnbirendra@wlink.com.np or Adrad.nepal@gmail.com) latest by 4 November 2018.

Note: The subject line of the e-mail should be “Application for consultancy for component...”

ADRAD reserves the right to select different consultants for any of the components.

Chairperson
ADRAD