Sub: Call for Expressions of Interest (EoI) for the pilot project, “Digitization of old plans of KMC (Kolkata Municipal Corporation)”.

Date: 09-06-2022
(Last date of application: 16-06-2022)

Society for Natural Language Technology Research (SNLTR), Dept. of IT&E, Govt. of West Bengal is launching a call for expressions of interest (EoI) following a professional format for the execution of (including functional/ operational support) the project, “Digitization of old plans of KMC (Kolkata Municipal Corporation)”. All work regarding this project may be done at the office premise of KMC. Agencies interested in presenting a candidacy must come with a matured profile.

Description and present scenario of the old plans:

The Kolkata Municipal Corporation has very old plans for the city. The plans are on silk/cotton cloths or papers. Most of them are around 100-year-old documents. These documents are already restored.

The present project envisages digitization work for six maps of various shapes and categories.

Expected parameters for the digitization:

- The photo-electric effect should be applied.
- File size and resolution should be maintained.
- Acquisition of image should be done.
- Colour reconstructed in the image
- Luminance and chrominance should be maintained.
- Advanced colour calibration should be applied.
- Richness of colours should be maintained.
- Measuring and characterizing colour should be applied.
- Maximum density and dynamic range,
- Dust removal by filter must be applied.
- Bit depth and colour resolution should be maintained.
- Black point compensation
- Complexity of image must be handled.
- Sharpness and details should be prominent.
- Variation of grain with the colour channel.
- Healing and patching
- Distortion, correction and cropping should be prominent.
- Noise should not be there.
- Colour through channel mixing should be applied.
- Controlling saturation is required.
- Registration and line reproduction of exact colour reproduction.
• Calibration and characterization should be applied.
• Measuring the colour characteristics is required.
• Assessing and reproducing the colour sensitivity.
• Obtaining the exact "skin tone" is required.
• Obtaining tonal quality is required.
• Obtaining the exact sensitivity of the different colours (vivid saturation).
• Sharpness and details must be ensured.
• Ensuring that images reflect the luminance and chrominance of the various shades.
• Ensuring the replication.
• Entrapping the richness
• Ensuring optimized colour calibration.
• Ensuring effective digital colour management.
• To follow digitization and embedded image profiles.
• To create output in RGB (Red, Green & Blue)
• To ensure a variation of grain with a colour channel.
• Maintenance of advanced tonal control.
• Ensure shadow mid-tone and highlight control.

**Digitized output Specification:**

- Master Image TIFF
- Master Image JPEG
- Access Image Large
- Access Image Web
- Image for printing(CMYK) as per original Map

**The detailed specifications of the output image:**

- **Master Image (Original Digitized Image)**
  - File Format: TIFF latest version
  - Compression: Uncompressed
  - Spatial Resolution: 53.333" X 80", 400 ppi (without extrapolations during conversion)

- **Access Image (Derivative Image)**
  - File Format: JPEG latest version
  - Spatial Resolution: 8" X 12", 200 dpi and 8" X 12" 96 dpi

- **Image for printing(CMYK)**
  - File Format: as per original Map
Submission of EoI:

To apply, an agency needs to write a complete EoI (pdf version only), which includes the following information and documents:

- A detailed profile of the agency in English clearly elaborates professional experience relevant to the project. Please note that it is mandatory to choose a file name that includes your name i.e., “agencyname-EoI-FieldOfWork.pdf”.
- A motivation letter in English (pdf version only) including a clear mention of the profile applied for and full postal address.
- A full financial estimation with justification.

Please, DO NOT send any supporting documents (i.e.: copies of ID-card, educational certificates, evidence of previous professional experience, etc.) with the application at this stage.

Apply to: director.nltr@wb.gov.in;
CC to - tarak.nltr@wb.gov.in; neelam.nltr@wb.gov.in

\[Signature\] 09/06/2022

Director (SNL.TR)

\[Signature\] 09/06/2022

Deputy Accounts Cum Administrative officer (SNL.TR)