OFFICE OF THE CHIEF ELECTORAL OFFICER
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EN/ESTT-798 Date: 27/09/2023

NOTICE INVITING TENDER

Subject: Development and Maintenance of the Chief Electoral Officer, Arunachal Pradesh Website

Introduction:

The Office of the Chief Electoral Officer, Arunachal Pradesh invites sealed tenders or emails (for NICSI panelled firms) from reputed and experienced firms for the development and maintenance of the official website for the Chief Electoral Officer, Arunachal Pradesh. The website is an essential platform to provide information, updates, and services related to electoral matters to the citizens of Arunachal Pradesh.

Project Overview:

The website is expected to have the features and functionalities, as mentioned in **Annexure-I**

Submission of Tenders:

Interested firms are requested to submit their sealed tenders with the following details:

Technical Proposal including the proposed technology stack.

Financial Proposal with cost estimates.

Tenders should be submitted in a sealed envelope or in emails (for NICSI panelled firms) and addressed to:

The Chief Electoral Officer, Arunachal Pradesh, Itanagar

Deadline for Submission:

Tenders must be submitted within 45 days after getting the work order. Tenders received after this deadline of **15 October 2023** will not be considered.

Opening of Tenders:

Tenders will be opened on 1st November 2023 at 12:00 hrs. Bidders are welcome to attend the opening.

Evaluation and Selection:

Tenders will be evaluated based on technical capability, cost, and other relevant factors. The decision taken by the Chief Electoral Officer, Arunachal Pradesh, will be final.

(Liken Koyu), APCS
Joint Chief Electoral Officer
Arunachal Pradesh

Note: The Office of the Chief Electoral Officer reserves the right to accept or reject any or all tenders without assigning any reason. This notice inviting tender is for information purposes only and does not constitute a binding contract.

Annexure - I

CEO ARUNACHAL PRADESH WEB SITE (DRAFT OUTLOOK)

1. Reference Designee and content Website : (https://eci.gov.in/)
2. Reference Data and features of Websites: https://ceowestbengal.nic.in
   https://ceoarunachal.nic.in

Some of the Key feature

1. **Admin Module:** this will allow users to dynamically change every UI Component of the website. Also, users can add/modify UI components (e.g., Menu, Sub-Menu, Alerts, Tenders, Published Rolls, etc.) or archive existing components. You can also add new users to the system with limited access to the system. You can also enhance or restrict any user's accessibility on the site. You can also schedule the publication of a new component or an existing component's new version. Departmental users will have access to relevant backend modules based on the roles assigned to each user and take any actions according to the assigned role like verifying/rejecting/approving. Users will be able to do the following:
   - Manage Personal Profile.
   - Perform the role assigned by the Admin.
   - User will manage all necessary masters.

2. **Content Management System:** This will help Department in making changes to the static website content. This will have the following features:
   a. Dynamic submenus: Submenus can be created based on the page tree as pages are added and subtracted.
   b. Bi-lingual support: Content of both languages English & Hindi can be managed from the same control panel. The administrator will be able to add content for both languages from the same page.
   c. Metadata Insertion: Can be inserted for each page or globally, and for different languages.
   d. Search Engine Friendly URLs: A rewrite engine is software that modifies a web URL's appearance (URL rewriting). Rewritten URLs (sometimes known as short, fancy URLs, or search engine friendly - SEF) are used to provide shorter and more relevant-looking links to web pages.
   e. CSS Styled Content: All aspects of the core functionality can be styled on the website. Most extensions can be styled through CSS.

f. Online Administration: All administration is handled online via a current web browser.

g. Audit Trail: Administrators have access to one log in the backend or individual logs on each page where they can view changes that have been made to the database.

h. Site Map: A hierarchical visual model of the pages of a Web site. Site maps help users navigate through a Web site that has more than one page by showing the user a diagram of the entire site's contents.

i. Automated templates: It is required to provide provisions to update the Logos & Color of the templates.

j. Visitor statistics: It is required to provide the status of the visitor i.e.; how many visitors have visited the website. m. Revision History: this will provide the functionality to maintain the revision history.

3. **Bi-Lingual:** you can also provide every UI component's content in multiple languages from the Admin module. That will help citizens to find what they are looking for more easily.
4. **High-Contrast Theme:** this will help color-blind people to distinguish the UI components easily with just a button click. No user intervention is required from the admin module.
5. **Text Size Modification:** this will help people with weak eyesight to scale up or scale down the font size of the UI component's content easily with just a button click. No user intervention is required from the admin module
6. **Metadata on UI elements:** this will be helpful for the citizen as well as search engines (e.g., Google, Bing, etc.). This feature will be helpful for citizens while searching for information on the website, as this metadata will be used for search indexes. And also, this metadata will also be attached to every related UI component which will be easily indexed by Search Engine's bot and show up on the search engine's search results.
7. **Responsive:** this will make sure the website's UI stays elegant and optimized without compromising the UX on every device regardless of the screen resolution.
8. **Content Searching:** this is a very powerful feature as this will help citizens to find information very easily from anywhere on the website. The metadata entered by the user on the admin panel will also show up as suggestions while typing, which will ultimately guide them to get the information they are looking for very easily.
9. **Email Subscription:** if any citizen wants to stay updated with the alerts from the CEO, they can subscribe to the alerts by submitting their email address, and whenever an alert gets published with broadcast approval that will be sent to the citizen's subscribed e-mail address. Now, the website admin has the ability to approve whether an alert to broadcast to subscribed users or not or even published or not.
10. **Incorporate ECI's guidelines:** It is required to incorporate all the instructions from ECI.

11. **Master Data Management:** this feature will allow you to add or modify master data like the District list, Assembly list, Form types, etc. from the admin module which will appear on the site's dropdowns/auto-suggests.
12. **Tender Management:** this feature will allow you to publish new tenders on the website for citizen/public view. Users can also modify tenders as closed.
13. **Content Management at Admin Mobule:** Users can upload, archive, and publish (with scheduling) the documents (pdf, docx, doc, xlsx) on the website for viewing and downloading by citizen purpose from the admin module.
14. **Contact Us Form:** It is required to provide a contact us form, which will be useful for tracking citizens' queries. Users can also view replies to the citizen's query from the admin module.
15. **Browser Compatibility:** It is required to make sure all the major browsers on every platform support all the functionalities and styling.
16. **Search Engine Optimization:** It is required to submit the website to all major search engine providers like Google and Bing so that website's information appears on the search engine's result page.
17. **Archive Management:** this will help users to archive old content from the website from the admin module. Users can also schedule the archiving process so that when the time criteria are met contents will get automatically archived without any user intervention. This process will make the website's information always updated.
18. **Claims & Objections:** this module will have role-based access, so that DEOs or EROs can upload the documents on the portal under their judiciary areas using their respective login. These documents can also be viewed by citizens with filtration support (Districts, Assemblies, Form Types, and Date Range).
19. **Electoral Search Engine:** if the electoral roll data is provided by CEO, then It is required also to integrate Elector searching features into the CEO's website.
20. **Expenditure Monitoring:** expenditure report submitted by an unrecognized political party for 2022-2023 CEO's compiled report

Module

As per our observations, it is required to like to propose a design revamp of the following modules.

1. Photo Gallery
2. Video Gallery
3. Links to Social Media
4. Chief Electoral Officer's Desk
5. News & Announcement
6. Press Release
7. Election
8. Electoral Roll
9. Contact Us
10. Election Machinery
11. Archive

Support

A minimum of one year of support is required for time-to-time updating requests from the Election Commission. As experienced from the last election, immediate support is required from the developer.

Technology

With the main domain problems sorted let us talk about the technology

which is required to solve the problems.

1. C#, CSS and JavaScript.
2. Dot NET 7 framework.
3. Microsoft SQL Server with Entity Framework Core.
4. Front-end Portal will be developed using Adobe Photoshop, Corel Draw, and Adobe

Hosting

a. Windows

b. IIS Web Server

c. MS SQL Database Server 2019

d. C#

Security and Compliance

The new website will undergo security clearance by a NIC-empaneled auditor. All vulnerabilities will be addressed and it is to be fixed by the firm. The security clearance certificate of the NIC-empaneled auditor will be submitted before hosting in the NIC data center.

Map

3. Header
   - 3.1. Home Link
   - 3.2. Search Bar and News Alert
   - 3.3. Menu
     - 3.3.1. Administrative Setup
       - 3.3.1.1. ECI
       - 3.3.1.2. CEO & Officers

3.3.1.3. DM/DEO's
3.3.1.4. ERO
3.3.1.5. BLO's
3.3.2. Political Parties
3.3.2.1. Political Parties & Election Symbols
3.3.2.2. Political Party Registration
3.3.2.3. Media Certification
3.3.3. Candidates
3.3.3.1. Forms and Information related to nomination
3.3.3.2. Link to Candidate Affidavits
3.3.4. Downloads
3.3.4.1. Forms
3.3.4.2. Latest Instructions
3.3.4.3. Compendium of Instructions
3.3.4.4. Latest Instructions
3.3.4.5. Publications
3.3.4.6. Roll Revision Data
3.3.5. Registered Unrecognized Political Party (RUPP)
3.3.5.1. Audit, Contribution and Election expenditure report
3.3.5.2. Commission's order
3.3.6. Elections
3.3.6.1. Current Election
3.3.6.2. Past Election
3.3.7. Tender/RTI
3.3.7.1. Tenders
3.3.7.2. RTI

4. Content Menu (Available only in Home Page)
4.1. Search your Name
4.2. View Electoral Roll
4.3. Register as PWD Elector
4.4. Download E-Epic
4.5. Online Enrollment
4.6. Search Claims & Objections

5. Footer Menu
5.1. CEO's Message
5.2. Useful Links
5.2.1. Election Commission of India
5.2.2. Govt. of West Bengal
5.2.3. Govt. of India
5.2.4. Delimitation
5.2.5. Census
5.2.6. District Links
5.3. Form Downloads
5.3.1. Form 6 - Inclusion of New Voters
5.3.2. Form 7 - Objection to inclusion of Name & deletion of name in existing roll

5.3.3. Form 8 - Shifting of Residence/Correction of Particulars/Replacement of EPIC/Marking of PWD

5.3.4. Form 6B - Letter of Information of Aadhaar number for the purpose of electoral roll authentication